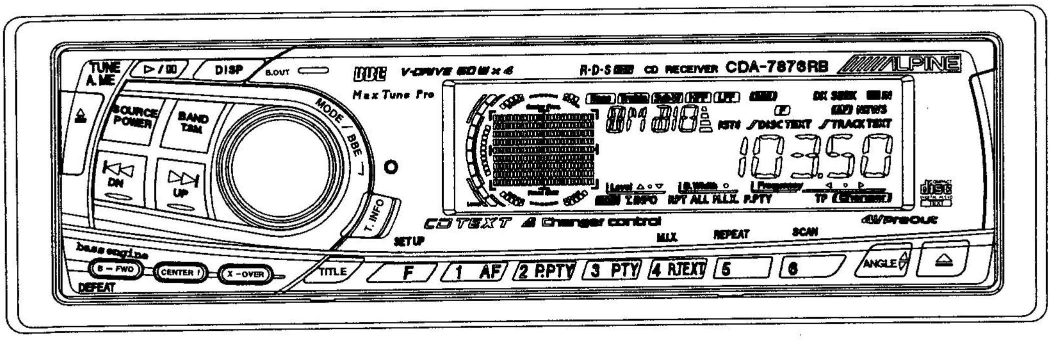
ALPINE

SERVICE MANUAL

FM/MW/LW/RDS CD Receiver

COMPACT
disc
DIGITAL AUDIO
TEXT

- The model described in this manual is developed from Model CDA-7873R. For information that is not mentioned in this service manual, refer to the Service Manual • CDA-7873R (Part No. 68E32156S01).


TUNE A.ME
▷/II
DISP
B.OUT
BBE
V-DRIVE 50W×4
Max Tune Pro
R·D·S
CD RECEIVER CDA-7876RB
ALPINE
SOURCE POWER
BAND T.SM
MODE / BBE
DN
UP
T.INFO
10:350
CD TEXT
Changer control
SETUP
M.I.X.
REPEAT
SCAN
bass engine
B-FWD
CENTER
X-OVER
DEFEAT
TITLE
F
1 AF
2 P.PTY
3 PTY
4 R.TEXT
5
6
ANGLE

CDA-7876RB

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Terminal Voltage of IC/TR (Only CD Deck Mechanism)
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Exploded View (CD Deck Mechanism) (DP23S07A)
CD Deck Mechanism Assembly Parts List

Refer to the Service
Manual • CDA-7873R
(Part No. 68E32156S01).

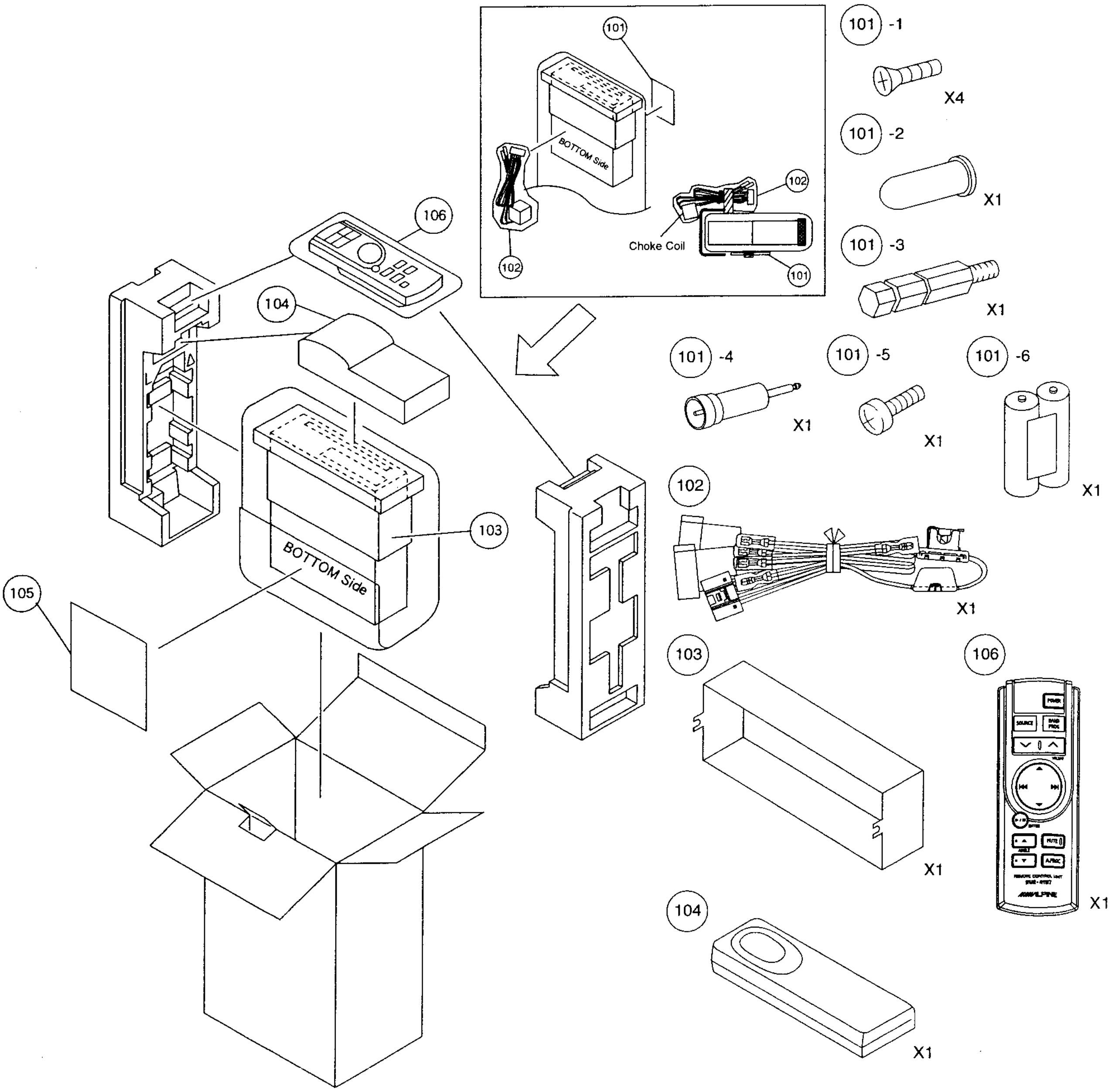
NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Packing Assembly Parts List

Symbol No.	Part No.	Description
101-1	03S72235F13	SCR,MCH M5X8 FLAT
101-2	36A11113W01	CAP,RUBBER(A)
101-3	03A11112W01	BOLT,HEX.M5(A)
101-4	01T15394Y02	ANT,JASO-ISO
101-5	03S68555F26	SCR,WAVE M1.7X4
101-6	60T55630W01	BAT, MGN R03 (NB) UM-4

Symbol No.	Part No.	Description
102	01T35536Y01	ASSY,WIRE ISO 65R0
103	15D50406W01	CASE,INNER
104	15D01798K01	CARRYING,CASE
105	68P01434K31	O/M AOEU AODN
106	01T45518Y01	ASSY,REMOCON RUE4187

Packing Method View


101
BOTTOM Side
102
Choke Coil
102
101
106
104
103
BOTTOM Side
105
101 -1
X4
101 -2
X1
101 -3
X1
101 -4
X1
101 -5
X1
101 -6
X1
102
X1
103
X1
106
X1
104
X1

Specifications

<FM RADIO>

Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.5~108MHz
Usable Sensitivity (Mono, 30dB S/N, at 98.1MHz)	17.2dBf
-3dB Limiting Sensitivity (at 98.1MHz)	21.2dBf
Residual Noise (Ref. 400Hz (narrow), at 98.1MHz)	25±10dB
S/N Ratio (at 98.1MHz)	Stereo : 55dB Mono : 60dB
Image Rejection (at 106.1MHz)	40dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 60dBμ, at 98.1MHz)	1%
Frequency Response (Ref. 400Hz, at 98.1MHz)	100Hz : 0±3dB 10kHz : -12±3dB
Stereo Separation (1kHz, at 98.1MHz)	20dB
PS Sensitivity (at 98.1MHz)	36.2dBf

<MW RADIO>

Intermediate Frequency	1st. : 10.7MHz 2nd. : 450kHz
Frequency Range	531~1,602kHz
Usable Sensitivity (20dB S/N, at 999kHz)	34dB
S/N Ratio (at 999kHz)	44dB
Image Rejection (at 1,404kHz)	50dB
IF Rejection (at 603kHz)	60dB
Distortion (at 999kHz)	1.5%
Frequency Response (Ref. 400Hz, at 999kHz)	100Hz : -3±4dB 4kHz : -11+6, -12dB

<LW RADIO>

Intermediate Frequency	1st. : 10.7MHz 2nd. : 450kHz
Frequency Range	153~281kHz
Usable Sensitivity (20dB S/N, at 216kHz)	42dB
S/N Ratio (at 216kHz)	44dB
Image Rejection (at 270kHz)	50dB
IF Rejection (at 162kHz)	60dB
Distortion (at 216kHz)	1.5%
Frequency Response (Ref. 400Hz, at 216kHz)	100Hz : -3±4dB 4kHz : -11+6, -12dB

<CD SECTION>

System	Optical (Compact Disc System)
Quantizing Bit Number	16bit Linear system
Channels	2 Channels
Channel Balance (1kHz)	0±3dB
Distortion (1kHz)	0.1%
Frequency Response (Ref. 1kHz)	17Hz : 0±3dB 127Hz : 0±2dB 10.007kHz : 0±2dB 19.997kHz : 0±4dB
S/N Ratio	95dB
Separation (1kHz)	55dB
De-Emphasis (Ref. 1kHz)	4kHz : -20±3dB 16kHz : -20±3dB

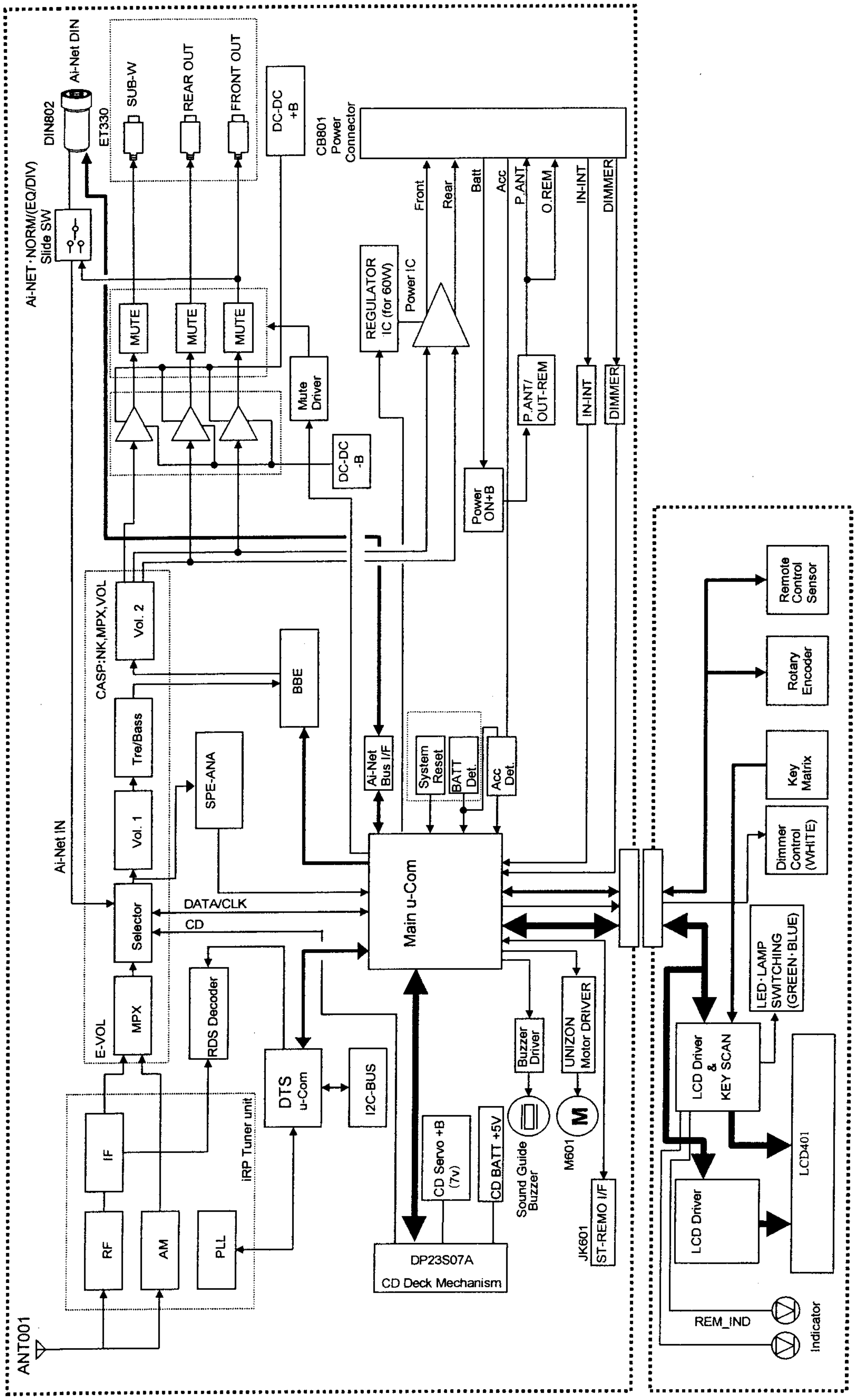
<GENERAL>

Power Supply	DC14.4V
Power Output (T.H.D. 10%, TCD-782 (0dB, 1kHz)) /Impedance	25W/ch/4ohm
Pre Output (T.H.D. 1%, TCD-782 (0dB, 1kHz)) /Impedance	5V±2.5dBV/10Kohm
Dimensions (W×H×D)	Chassis : 178×50×158mm Nose : 188×58×24.5mm
Weight	1.5kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

CDA-7876RB

Block Diagram

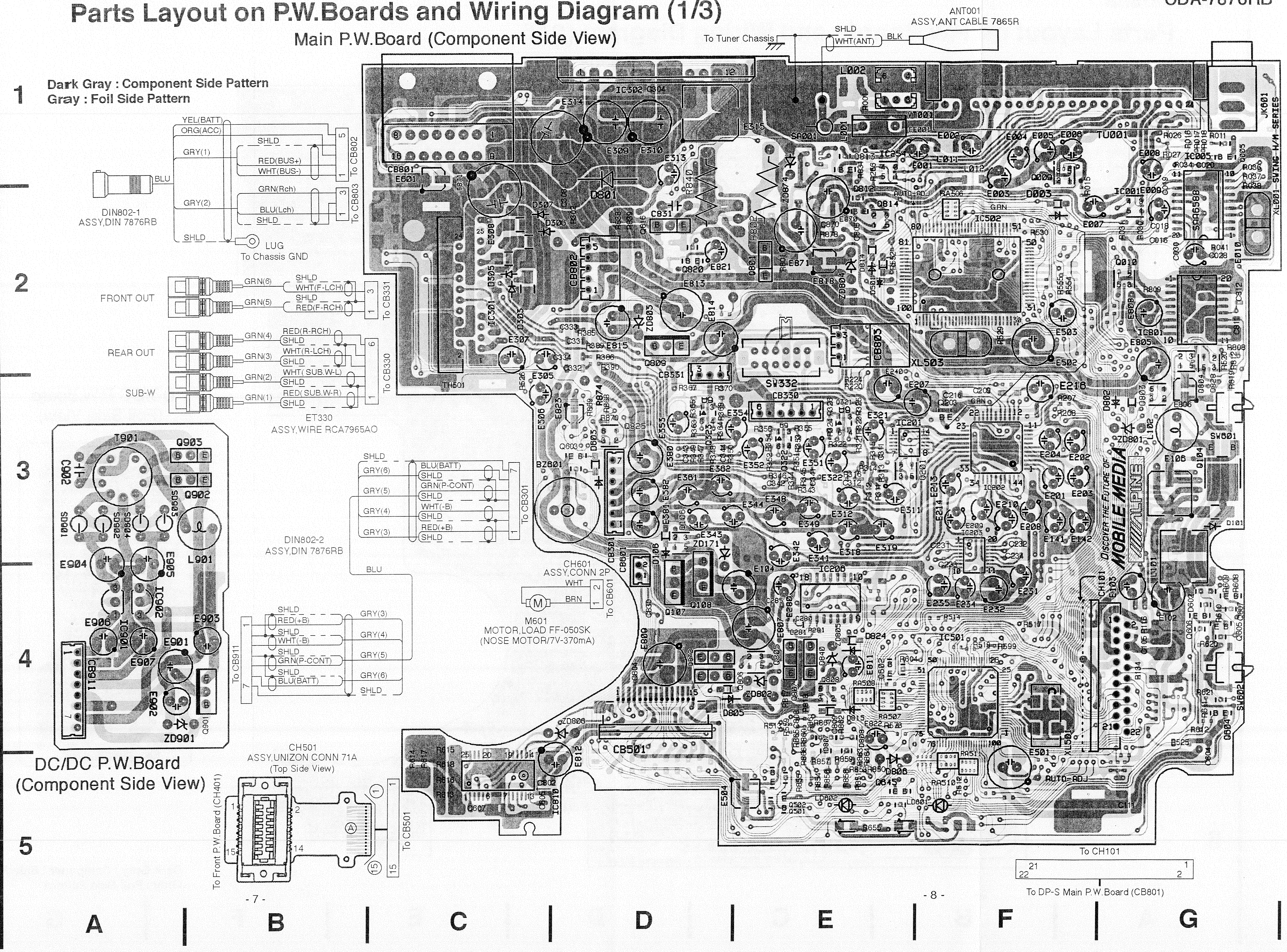


Ai-Net DIN
DIN802
ET330
SUB-W
REAR OUT
FRONT OUT
DC-DC +B
CB801 Power Connector
Ai-NET·NORM/(EQ/DIV) Slide SW
Front
Rear
Batt
Acc
P.ANT
O.REM
IN-INT
DIMMER
MUTE
MUTE
MUTE
REGULATOR IC (for 60W)
Power IC
Mute Driver
DC-DC -B
P.ANT/ OUT-REM
IN-INT
DIMMER
Power ON+B
CASP:NK,MPX,VOL
Vol. 2
BBE
Tre/Bass
SPE-ANA
Vol. 1
Ai-Net IN
Ai-Net Bus I/F
System Reset
BATT Det.
Acc Det.
Main u-Com
DATA/CLK
CD
Selector
MPX
E-VOL
RDS Decoder
DTS u-Com
I2C-BUS
IF
RF
AM
PLL
iRP Tuner unit
ANT001
CD Servo +B (7v)
CD BATT +5V
DP23S07A
CD Deck Mechanism
Buzzer Driver
Sound Guide Buzzer
UNIZON Motor DRIVER
M
M601
JK601
ST-REMO I/F
Remote Control Sensor
Rotary Encoder
Key Matrix
Dimmer Control (WHITE)
LED·LAMP SWITCHING (GREEN·BLUE)
LCD Driver & KEY SCAN
LCD Driver
LCD401
REM_IND
Indicator

Parts Layout on P.W.Boards and Wiring Diagram (1/3)

Main P.W.Board (Component Side View)

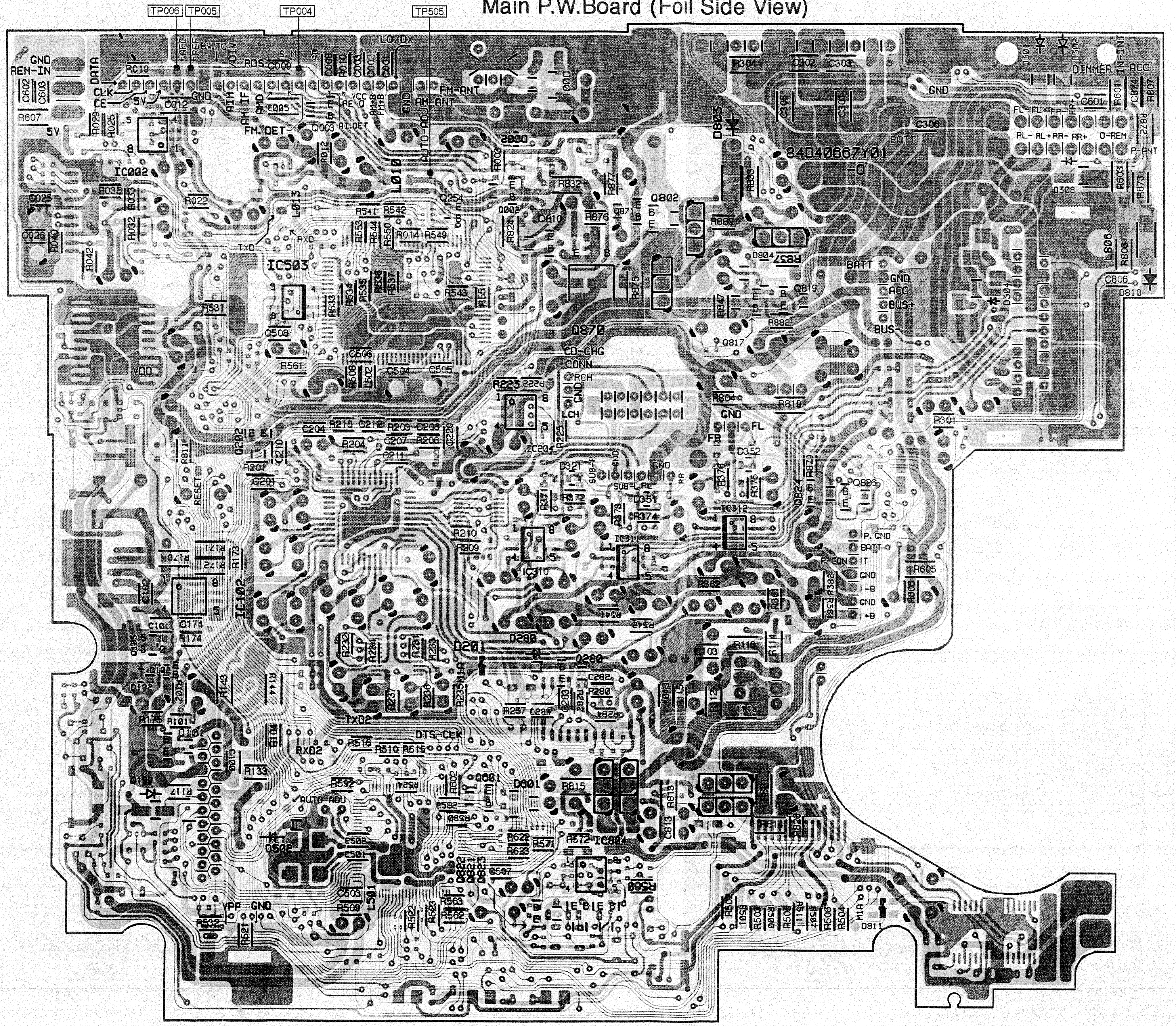
Dark Gray : Component Side Pattern
Gray : Foil Side Pattern


1
2
3
4
5
A
B
C
D
E
F
G
ANT001
ASSY,ANT CABLE 7865R
SHLD
To Tuner Chassis
WHT(ANT)
BLK
YEL(BATT)
ORG(ACC)
GRY(1)
SHLD
RED(BUS+)
WHT(BUS-)
To CB802
BLU
GRN(Rch)
GRY(2)
BLU(Lch)
SHLD
To CB803
DIN802-1
ASSY,DIN 7876RB
SHLD
LUG
To Chassis GND
FRONT OUT
GRN(6)
SHLD
WHT(F-LCH)
GRN(5)
SHLD
RED(F-RCH)
To CB331
REAR OUT
GRN(4)
RED(R-RCH)
SHLD
GRN(3)
WHT(R-LCH)
SHLD
SUB-W
GRN(2)
WHT(SUB.W-L)
SHLD
GRN(1)
RED(SUB.W-R)
SHLD
To CB330
ET330
ASSY,WIRE RCA7965AO
SHLD
GRY(6)
BLU(BATT)
SHLD
GRY(5)
GRN(P-CONT)
SHLD
GRY(4)
WHT(-B)
SHLD
GRY(3)
RED(+B)
SHLD
To CB301
DIN802-2
ASSY,DIN 7876RB
BLU
CH601
ASSY,CONN 2P
WHT
BRN
M601
MOTOR,LOAD FF-050SK
(NOSE MOTOR/7V-370mA)
To CB601
SHLD
RED(+B)
SHLD
WHT(-B)
SHLD
GRN(P-CONT)
SHLD
BLU(BATT)
GRY(3)
GRY(4)
GRY(5)
GRY(6)
SHLD
To CB911
CH501
ASSY,UNIZON CONN 71A
(Top Side View)
To Front P.W.Board (CH401)
To CB501
To CH101
To DP-S Main P.W.Board (CB801)
T901
Q903
Q902
Q902
SD901
SD902
SD904
SD903
L901
E904
E905
IC902
E906
E903
IC901
E901
E907
E902
CB911
Q901
ZD901
IC302
Q304
E314
E309
E310
E315
E313
CB801
E601
D801
D307
D306
C831
E308
CB802
Q820
E821
E813
E814
ZD803
IC301
D305
D303
E307
E305
E306
C333
C331
R385
E815
C334
C332
Q809
CB331
SW332
CB330
TH501
BZ601
E823
Q825
D825
E353
E354
E352
E351
E322
E321
E380
E301
E382
E344
E348
E343
E349
E312
E311
ZD171
E342
E341
E318
E319
Q107
Q108
E104
IC206
E280
E807
E809
ZD802
E811
D805
D824
IC501
CB501
ZD806
E812
IC810
Q607
E504
LD802
LD801
Q502
Q501
Q645
D806
E822
RA508
RA507
RA510
RA51
E501
XL501
AUTO-ADJ
C11
B525
Q604
SW602
R612
R621
E102
L002
VT001
SA001
L001
E002
E001
IC25
L011
L012
Q813
D812
Q814
AUTO-ADJ
RA506
E870
C870
R878
E871
Q801
E818
ZD804
IC502
E003
D003
E004
E005
E006
E007
TU001
E008
IC005
IC001
E009
C018
C016
SAA6588
Q010
C028
E010
XL001-SWING H/M SERIES
JK601
R809
E808
IC801
E805
CB805
XL503
E503
E502
E216
E207
E240
IC201
Q201
IC202
E213
E214
E204
E202
E201
E203
E210
E209
E208
IC203
E141
E142
C231
C232
C234
E235
E234
E232
E231
D802
L102
ZD801
SW601
E106
Q104
D101
CH101
L101
D602
Q606
Q605
Q607
R609
R608
DISCOVER THE FUTURE OF
MOBILE MEDIA
ALPINE

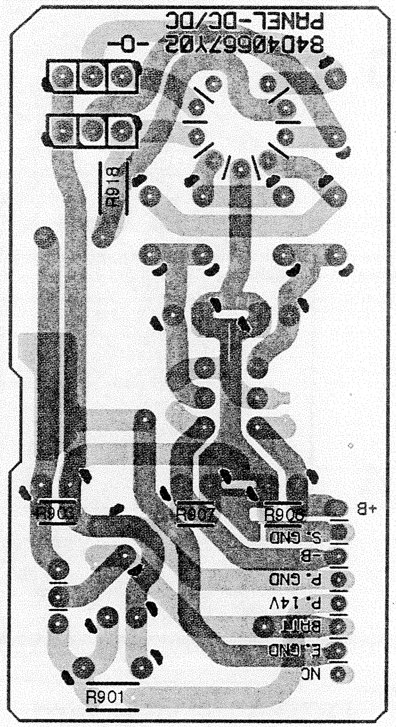
DC/DC P.W.Board (Component Side View)

Parts Layout on P.W.Boards and Wiring Diagram (2/3)

Main P.W.Board (Foil Side View)


TP006
TP005
TP004
TP505
1
2
3
4
5
IC002
IC503
IC102
IC204
IC310
IC312
IC804
Q870
CD-CHG CONN
FM-ANT
AM-ANT
BATT
GND
ACC
BUS+
BUS-
DIMMER
IN-INT
84D40667Y01
-0-
TXD
RXD
DTS-CLK
AUTO ADJ
VPP
GND
A
B
C
D
E

DC/DC P.W.Board (Foil Side View)


PANEL-DC/DC
84D40667Y02 -0-
R901
+B
S.GND
-B
P.GND
P.14V
BATT
E.GND
NC
F
G

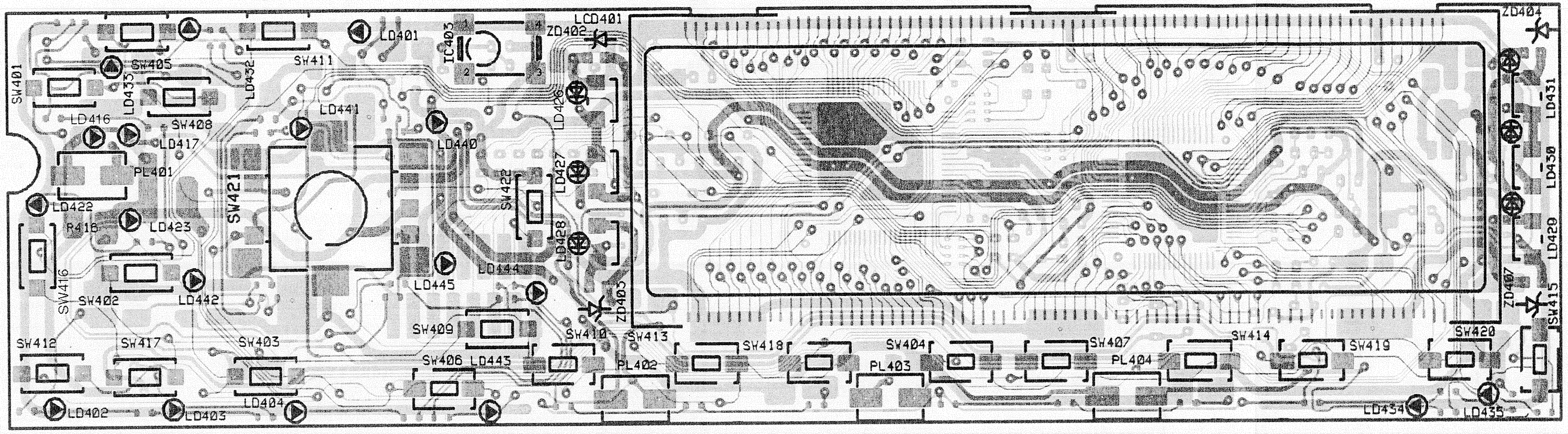
Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (3/3)

1

Front P.W.Board (Component Side View)

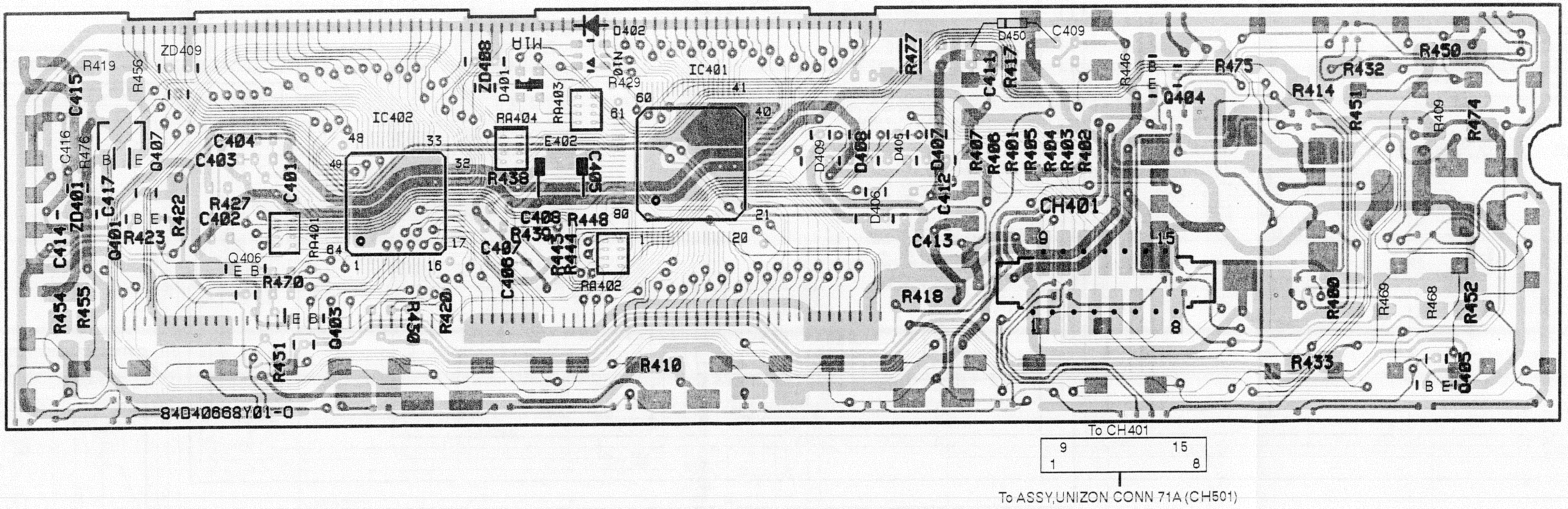
2


LCD401
ZD404
LD401
IC403
ZD402
SW401
SW405
LD433
LD432
SW411
LD431
LD416
SW408
LD441
LD426
LD417
PL401
LD440
LD430
SW421
SW422
LD427
LD422
R416
LD423
LD428
LD420
SW416
SW402
LD442
LD444
LD445
ZD403
ZD407
SW415
SW412
SW417
SW403
SW409
SW410
SW413
SW418
SW404
SW407
SW414
SW419
SW420
SW406
LD443
PL402
PL403
PL404
LD404
LD402
LD403
LD434
LD435

3

Front P.W.Board (Foil Side View)

4


D402
D450
C409
R419
R456
ZD409
ZD408
D401
RA403
RA404
R429
IC401
R477
C411
R417
R446
R475
R432
R450
C415
C416
R476
Q407
C404
C403
IC402
E402
R438
C405
R414
Q404
R451
R409
R474
D409
D408
D405
D407
R407
R406
R401
R405
R404
R403
R402
ZD401
C417
R422
R427
C402
C401
C406
R448
R439
C412
CH401
C414
Q401
R423
Q406
RA401
C407
C408
R443
R444
C413
R470
RA402
R454
R455
Q403
R430
R420
R418
R480
R469
R468
R452
R431
R410
R433
Q405
84D40668Y01-0
To CH401
9
15
1
8
To ASSY,UNIZON CONN 71A (CH501)

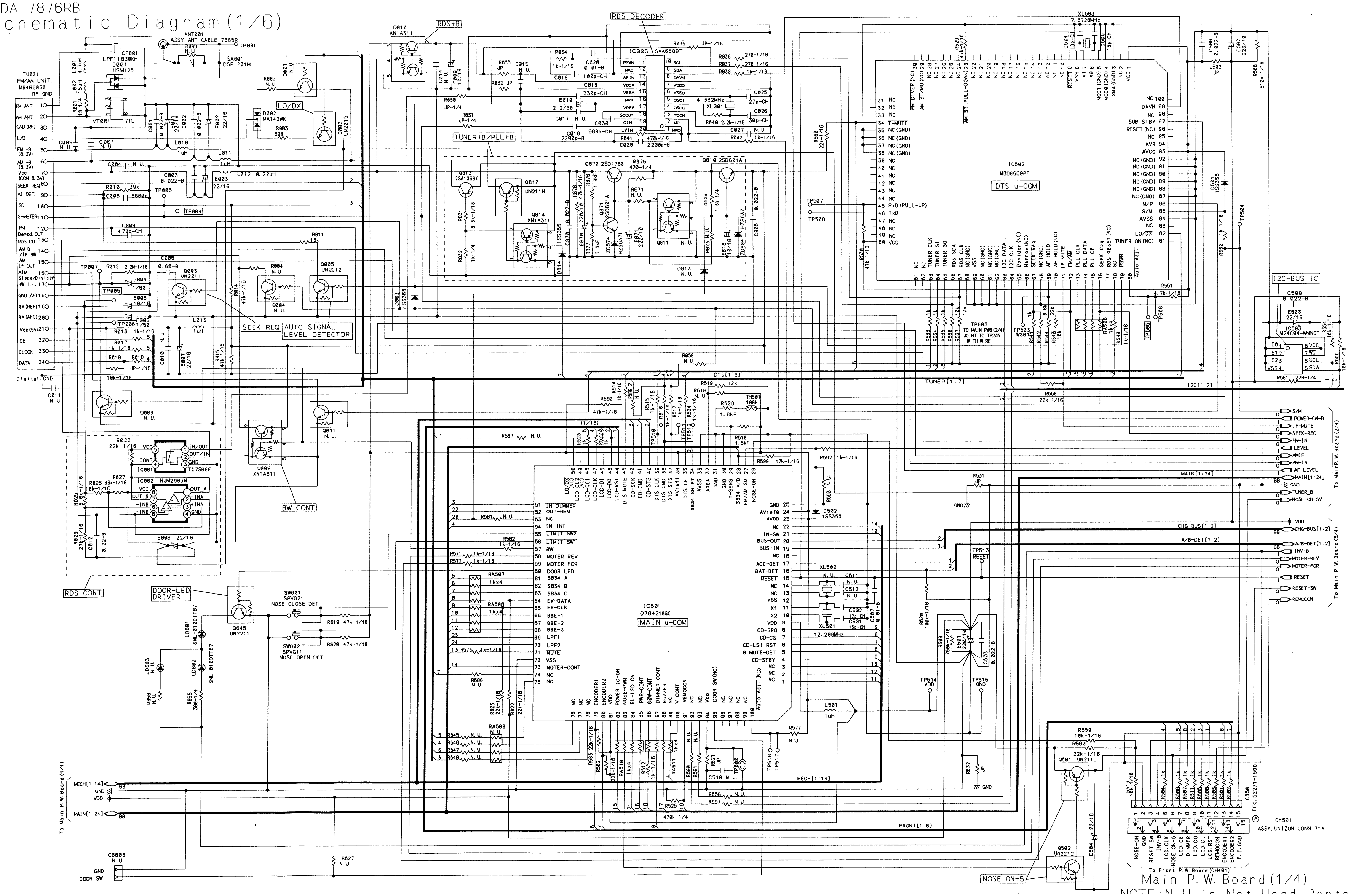
5

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

A B C D E F G

CDA-7876RB

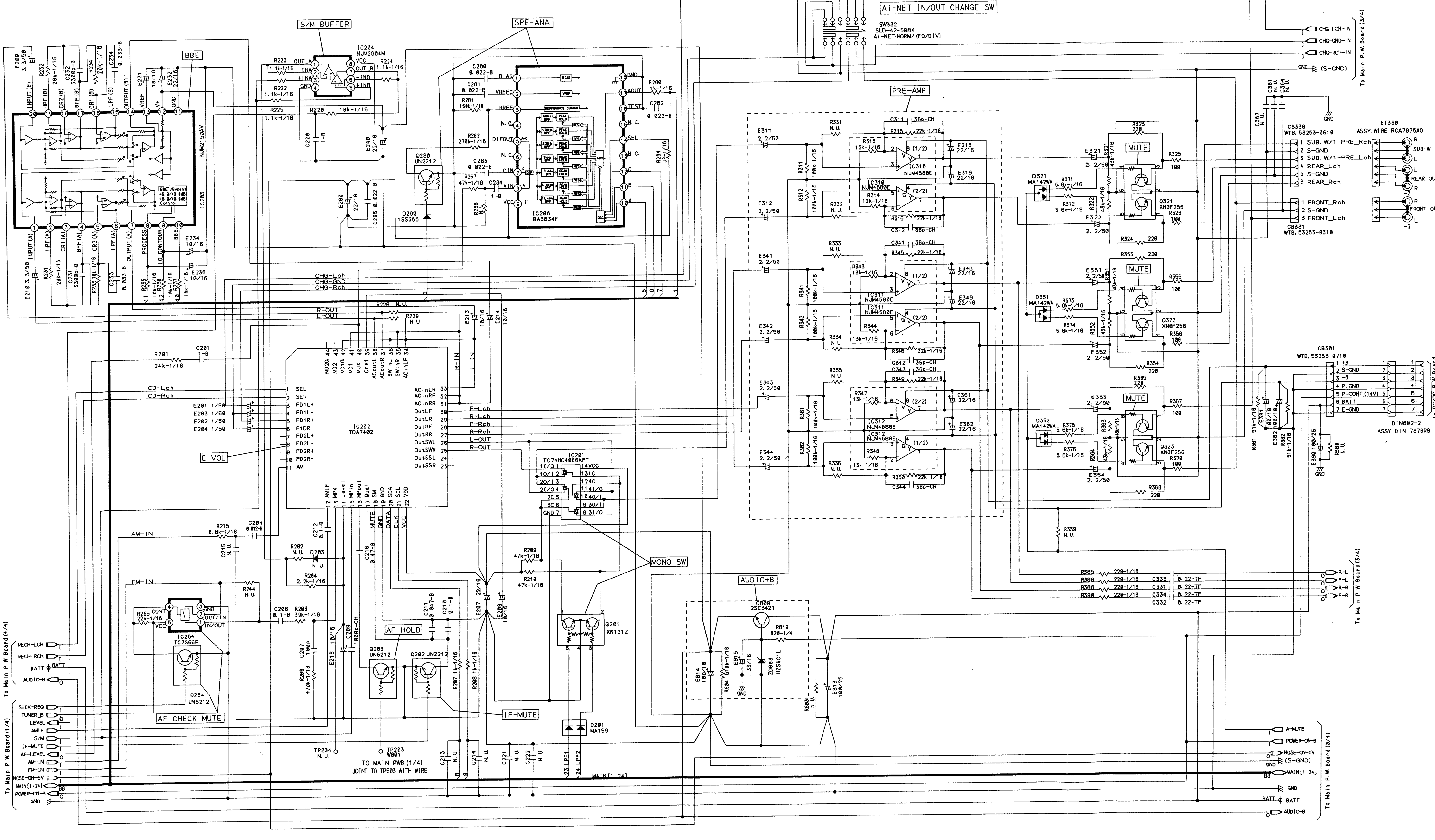
Schematic Diagram (1/6)


TU001
FM/AM UNIT
MB4R9030
ANT001
ASSY. ANT CABLE 7865B
TP001
SA001
DSP-201M
LPF11030KH
D001
HSM123
VT001
RDS+B
Q010
XN1A311
Q001
N.U.
D002
MA142WK
LO/DX
Q002
UN2215
RDS DECODER
IC005
SAA6588T
XL001
4.332MHz
TUNER+B/PLL+B
Q013
2SA1036K
Q012
UN211H
Q014
XN1A311
Q070 2SD1760
Q071
2SD601A
ZD074
HZS6A3L
Q010 2SD601A
Q011
D813
N.U.
ZD804
HZS6A2L
1SS355
XL503
7.3728MHz
IC502
MB89689PF
DTS u-COM
I2C-BUS IC
IC503
M24C04-WMN6T
TP507
TP508
TP503
TO MAIN PWB(2/4)
JOINT TO TP203
WITH WIRE
TP505
TP506
Q003
UN2211
Q004
N.U.
Q005
UN2212
SEEK REQ
AUTO SIGNAL
LEVEL DETECTOR
TP005
TP006
TP007
Q006
N.U.
Q009
XN1A311
Q011
N.U.
BW CONT
IC001
TC7S66F
IC002
NJM2903M
RDS CONT
DOOR-LED
DRIVER
Q645
UN2211
SW601
SPVG21
NOSE CLOSE DET
SW602
SPVG11
NOSE OPEN DET
LD601
SML-010DT87
LD602
SML-010DT87
LD603
N.U.
IC501
D784218GC
MAIN u-COM
XL502
XL501
12.200MHz
D502
1SS355
TH501
100k
TP513
RESET
TP514
VDD
TP515
GND
L501
1uH
TP510
TP511
TP512
TP516
TP600
DTS[1:5]
TUNER[1:7]
I2C[1:2]
MAIN[1:24]
CHG-BUS[1:2]
A/B-DET[1:2]
MECH[1:14]
FRONT[1:8]
S/M
POWER-ON-B
IF-MUTE
SEEK-REQ
FM-IN
LEVEL
AMIF
AM-IN
AF-LEVEL
MAIN[1:24]
GND
TUNER_B
NOSE-ON-5V
To Main P.W. Board (2/4)
VDD
CHG-BUS[1:2]
A/B-DET[1:2]
INV-B
MOTER-REV
MOTER-FOR
RESET
RESET-SW
REMOCON
To Main P.W. Board (3/4)
MECH[1:14]
GND
VDD
MAIN[1:24]
To Main P.W. Board (4/4)
CB603
N.U.
GND
DOOR SW
R527
N.U.
Q501
UN211L
Q502
UN2212
NOSE ON+5
CB501
FFC 52271-1590
CH501
ASSY. UNIZON CONN 71A
NOSE-ON
GND
RESET SW
INV-B
LCD.CLK
NOSE ON+5
LCD.CE
DIMMER
LCD.DO
LCD.DI
LCD.RST
REMOCON
ENCODER1
ENCODER2
E.E.GND
To Front P.W. Board (CH401)

Main P. W. Board (1/4)

NOTE: N. U. is Not Used Parts.

Schematic Diagram (2/6)

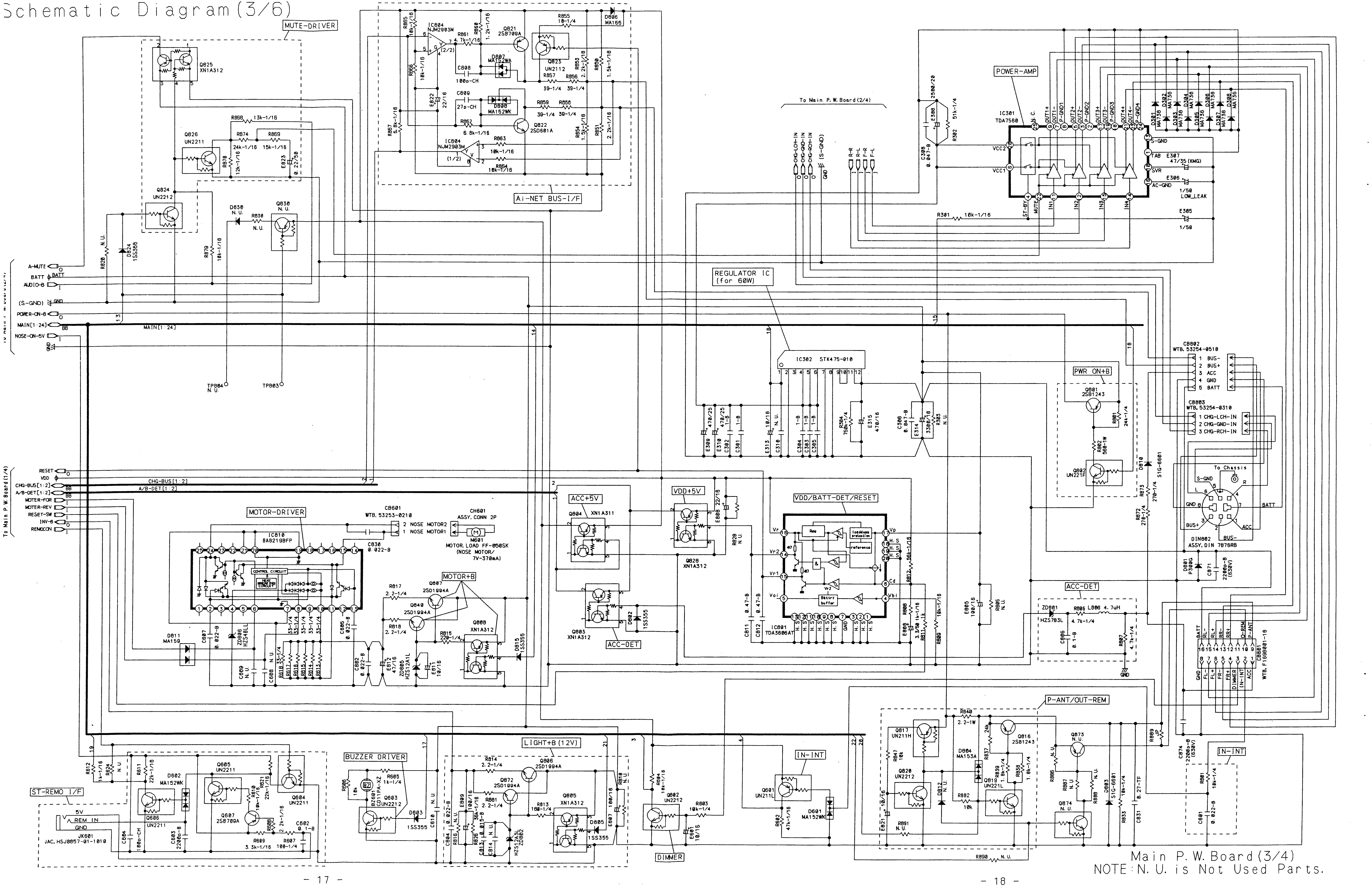

S/M BUFFER
IC204
NJM2904M
SPE-ANA
BBE
IC203
NJM2150AV
IC206
BA3834F
Q200
UN2212
D200
1SS355
Ai-NET IN/OUT CHANGE SW
SW332
SLD-42-508X
Ai-NET-NORN/(EQ/DIV)
CHG-LCH-IN
CHG-GND-IN
CHG-RCH-IN
GND (S-GND)
To Main P.W. Board (3/4)
PRE-AMP
IC310
NJM4580E
IC311
NJM4580E
IC312
NJM4580E
MUTE
Q321
XN0F256
Q322
XN0F256
Q323
XN0F256
D321
MA142WA
D351
MA142WA
D352
MA142WA
CB330
WTB.53253-0610
1 SUB. W/1-PRE_Rch
2 S-GND
3 SUB. W/1-PRE_Lch
4 REAR_Lch
5 S-GND
6 REAR_Rch
ET330
ASSY. WIRE RCA7875A0
SUB-W
REAR OUT
FRONT OUT
1 FRONT_Rch
2 S-GND
3 FRONT_Lch
CB331
WTB.53253-0310
CB301
WTB.53253-0710
1 +B
2 S-GND
3 -B
4 P.GND
5 P-CONT (14V)
6 BATT
7 E-GND
DIN802-2
ASSY. DIN 7876RB
CHG-Lch
CHG-GND
CHG-Rch
R-OUT
L-OUT
CD-Lch
CD-Rch
E-VOL
IC202
TDA7402
IC201
TC74HC4066AFT
MONO SW
AM-IN
FM-IN
IC254
TC7S66F
Q254
UN5212
AF CHECK MUTE
AF HOLD
Q203
UN5212
Q202 UN2212
IF-MUTE
Q201
XN1212
D201
MA159
AUDIO+B
Q809
2SC3421
ZD803
HZ9C1L
TP204
N.U.
TP203
W801
TO MAIN PWB (1/4)
JOINT TO TP503 WITH WIRE
MAIN[1:24]
To Main P.W. Board (4/4)
MECH-LCH
MECH-RCH
BATT
AUDIO-B
To Main P.W. Board (1/4)
SEEK-REQ
TUNER_B
LEVEL
AMIF
S/M
IF-MUTE
AF-LEVEL
AM-IN
FM-IN
NOSE-ON-5V
MAIN[1:24]
POWER-ON-B
GND
A-MUTE
POWER-ON-B
NOSE-ON-5V
(S-GND)
MAIN[1:24]
GND
BATT
AUDIO-B
R-L
F-L
R-R
F-R

Main P. W. Board (2/4)

NOTE: N. U. is not Used Parts.

CDA-7876RB

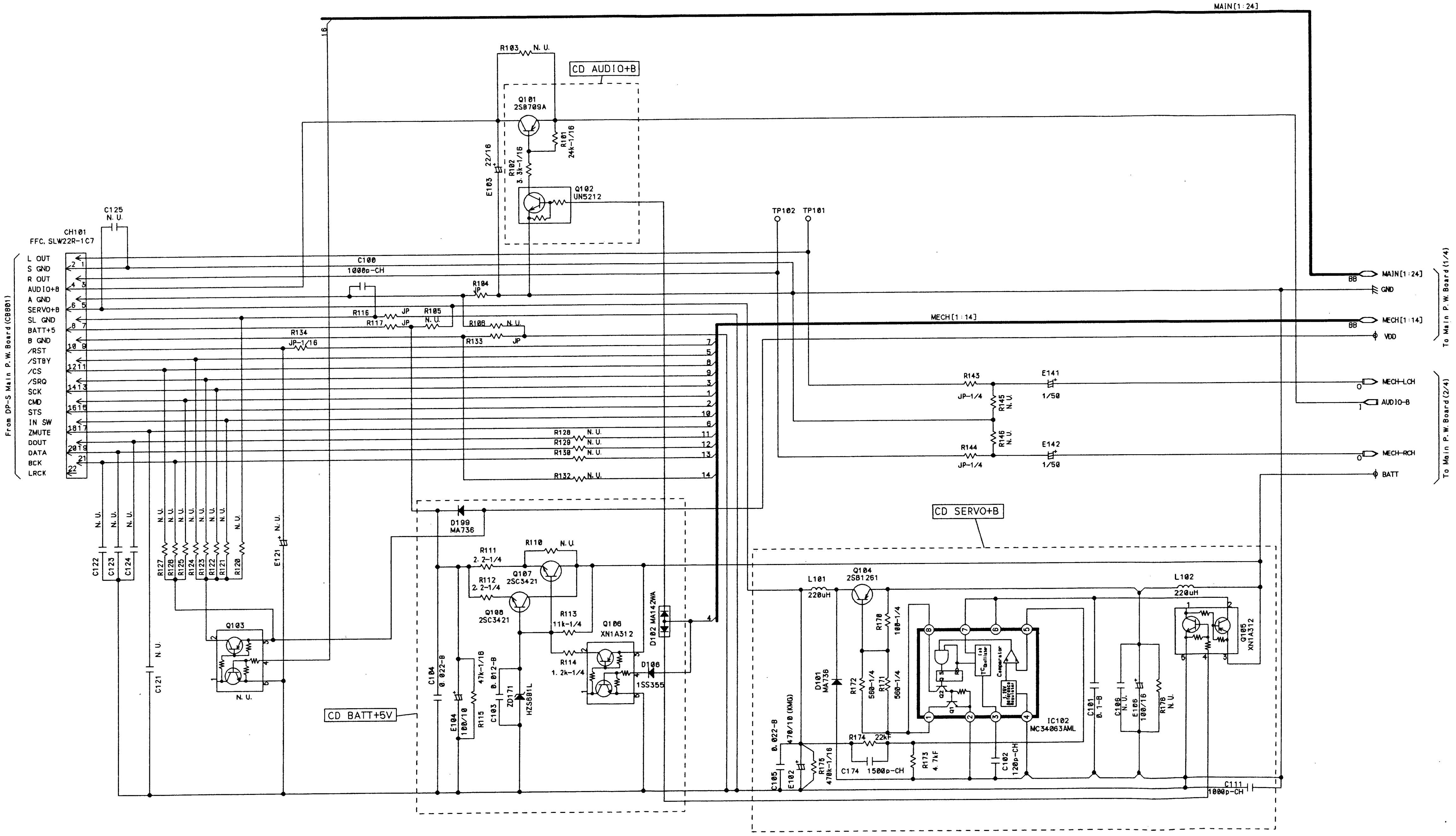
Schematic Diagram(3/6)


MUTE-DRIVER
Q825 XN1A312
Q826 UN2211
Q824 UN2212
R868 13k-1/16
R874 24k-1/16
R869 15k-1/16
R870 12k-1/16
E823 0.22/50
D830 N.U.
R830 N.U.
Q830 N.U.
D824 1SS355
R820 N.U.
R879 10k-1/16
A-MUTE
BATT
AUDIO-B
(S-GND)
POWER-ON-B
MAIN[1:24]
NOSE-ON-5V
GND
TP804 N.U.
TP803
To Main P.W. Board (1/4)
Ai-NET BUS-I/F
IC804 NJM2903M
Q821 2SB709A
Q823 UN2112
Q822 2SD601A
D807 MA152WA
D808 MA152WK
D806 MA165
R855 10-1/4
R857 39-1/4
R856 39-1/4
R859 39-1/4
R858 39-1/4
C808 100p-CH
C809 27p-CH
R862 6.8k-1/16
R863 10k-1/16
R864 10k-1/16
R865 10k-1/16
R866 10k-1/16
R867 6.8k-1/16
E822 22/16
R861 4.7k-1/16
R860 1.2k-1/16
R853 2.2k-1/16
R850 1.5k-1/16
R854 1.5k-1/16
R851 2.2k-1/16
To Main P.W. Board (2/4)
CHG-LCH-IN
CHG-GND-IN
CHG-RCH-IN
(S-GND)
GND
R-R
R-L
F-R
F-L
E300 2500/20
C308 0.047-B
R302 51k-1/4
POWER-AMP
IC301 TDA7560
N.C.
OUT1+
OUT1-
P-GND1
OUT2+
OUT2-
P-GND2
OUT3+
OUT3-
P-GND3
OUT4+
OUT4-
P-GND4
VCC1
VCC2
S-GND
TAB
SVR
AC-GND
ST-BY
MUTE
IN1
IN2
IN3
IN4
E307 47/35 (KMG)
E306 1/50 LOW_LEAK
E305 1/50
R301 10k-1/16
D301 MA736
D302 MA736
D303 MA736
D304 MA736
D305 MA736
D306 MA736
D307 MA736
D308 MA736
REGULATOR IC (for 60W)
IC302 STK475-010
E309 470/25
E310 470/25
C302 1-B
C301 1-B
E313 10/16
C310 1-B
C304 1-B
C303 1-B
C305 1-B
R304 750k-1/4
E315 470/16
C306 0.047-B
E314 3300/16
R303 N.U.
CHG-BUS[1:2]
A/B-DET[1:2]
RESET
VDD
MOTOR-FOR
MOTOR-REV
RESET-SW
INV-B
REMOCON
MOTOR-DRIVER
IC810 BA6219BFP
CONTROL CIRCUIT
CB601 WTB.53253-0210
2 NOSE MOTOR2
1 NOSE MOTOR1
CH601 ASSY.CONN 2P
M601 MOTOR.LOAD FF-050SK (NOSE MOTOR/ 7V-370mA)
C830 0.022-B
D811 MA159
C807 0.022-B
ZD806 HZS4BLL
C809 N.U.
C808 N.U.
C805 0.022-B
C802 0.022-B
E812 47/16
ZD805 HZS12A1L
E811 10/16
MOTOR+B
Q807 2SD1994A
Q840 2SD1994A
Q808 XN1A312
R817 2.2-1/4
R818 2.2-1/4
R815 220-1/4
D815 1SS355
ACC+5V
Q804 XN1A311
VDD+5V
Q828 XN1A312
E808 22/16
R828 N.U.
Q803 XN1A312
D802 1SS355
ACC-DET
VDD/BATT-DET/RESET
IC801 TDA3606AT
C811 0.47-B
C812 0.47-B
R812 56k-1/16
R808 3.3/50
R811 1k-1/16
R809 10k-1/16
E805 100/16
R805 N.U.
PWR ON+B
Q801 2SB1243
Q802 UN221F
R801 24k-1/4
R802 560-1W
D810 S1G-6601
R873 270-1/4
R872 270-1/4
ACC-DET
ZD801 HZS7B3L
R806 4.7k-1/4
L806 4.7uH
C806 0.1-B
R807 4.7k-1/4
D801 P300G
C871 2200p-B (630V)
CB802 WTB.53254-0510
1 BUS-
2 BUS+
3 ACC
4 GND
5 BATT
CB803 WTB.53254-0310
1 CHG-LCH-IN
2 CHG-GND-IN
3 CHG-RCH-IN
To Chassis
DIN802 ASSY.DIN 7876RB
S-GND
BATT
BUS+
BUS-
ACC
GND
CB801 WTB.F180801-18
ST-REMO I/F
5V
REM IN
GND
JK601 JAC.HSJ0857-01-1010
Q606 UN2211
Q605 UN2211
Q607 2SB709A
Q604 UN2211
D602 MA152WK
C604 100p-CH
C603 2200p-B
C602 0.1-B
BUZZER DRIVER
BZ601 CD11FA-XZ
Q603 UN2212
D603 1SS355
LIGHT+B (12V)
Q806 2SD1994A
Q872 2SD1994A
Q805 XN1A312
ZD802 HZS12A3L
D805 1SS355
E807 100/16
DIMMER
Q802 UN2212
R803 10k-1/4
E601 10/16
IN-INT
Q601 UN211L
D601 MA152WK
P-ANT/OUT-REM
Q817 UN211H
Q820 UN2212
Q816 2SB1243
Q819 UN221L
D804 MA153A
R840 2.2-1W
Q873 N.U.
Q874 N.U.
D803 S1G-6601
C831 0.27-TF
C874 12200p-B (630V)
IN-INT
R881 10k-1/4
C801 0.022-B
R890 N.U.

Main P. W. Board (3/4)

NOTE: N. U. is Not Used Parts.

Schematic Diagram (4/6)

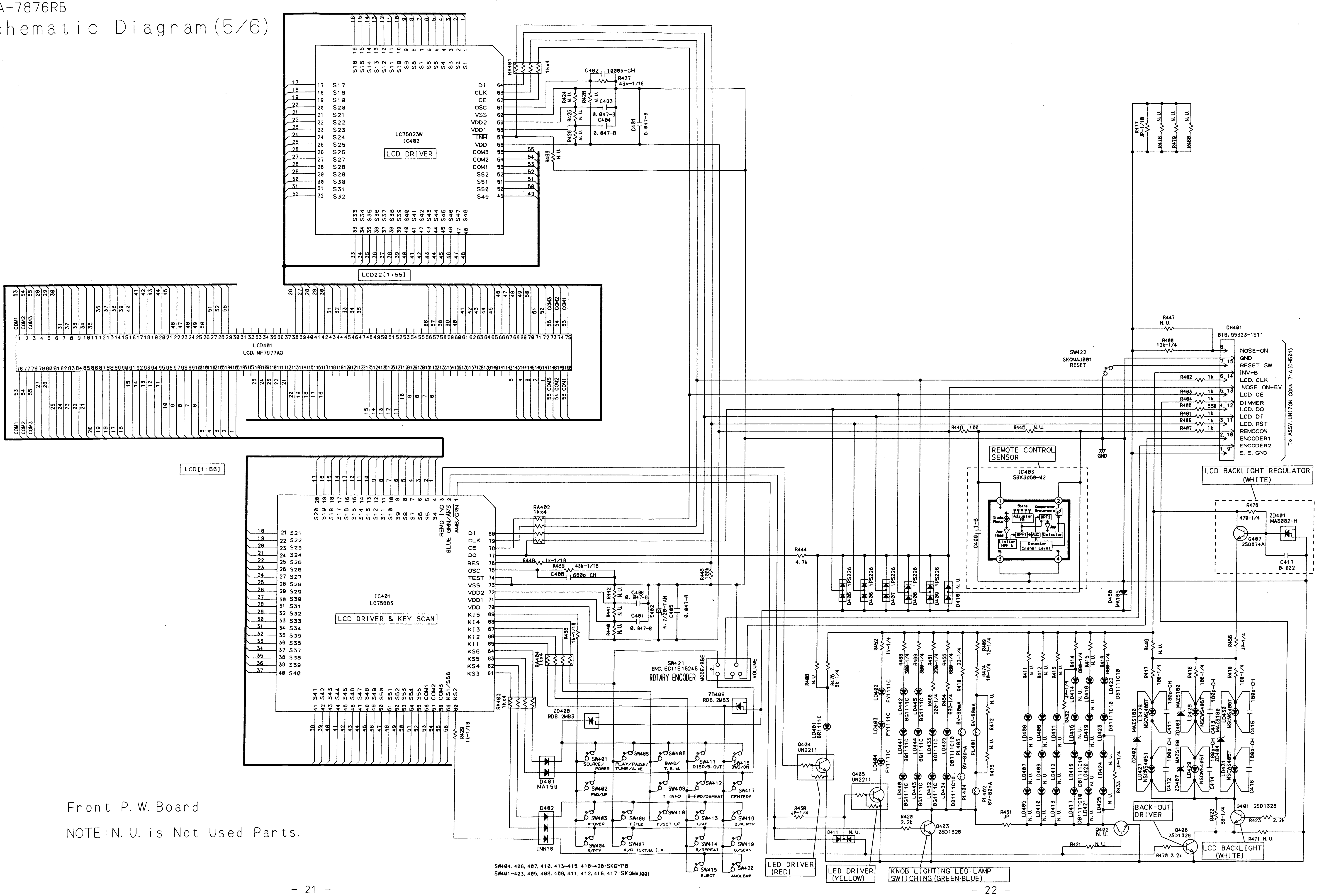

MAIN[1:24]
16
R103 N.U.
CD AUDIO+B
Q101 2SB709A
R101 24k-1/16
R102 3.3k-1/16
E103 22/16
Q102 UN5212
C125 N.U.
CH101 FFC.SLW22R-1C7
L OUT
S GND
R OUT
AUDIO+B
A GND
SERVO+B
SL GND
BATT+5
B GND
/RST
/STBY
/CS
/SRQ
SCK
CMD
STS
IN SW
ZMUTE
DOUT
DATA
BCK
LRCK
From DP-5 Main P.W. Board (CB801)
C100 1000p-CH
R104 JP
R116
R117 JP
R105 N.U.
R106 N.U.
R133 JP
R134 JP-1/16
R128 N.U.
R129 N.U.
R130 N.U.
R132 N.U.
TP102
TP101
MECH[1:14]
R143 JP-1/4
R145 N.U.
E141 1/50
R144 JP-1/4
R146 N.U.
E142 1/50
MAIN[1:24]
GND
MECH[1:14]
VDD
To Main P.W. Board (1/4)
MECH-LCH
AUDIO-B
MECH-RCH
BATT
To Main P.W. Board (2/4)
C122 N.U.
C123 N.U.
C124 N.U.
R127 N.U.
R126 N.U.
R125 N.U.
R124 N.U.
R123 N.U.
R122 N.U.
R121 N.U.
R120 N.U.
E121 N.U.
Q103 N.U.
C121 N.U.
D199 MA736
R111 2.2-1/4
R110 N.U.
R112 2.2-1/4
Q107 2SC3421
Q108 2SC3421
R113 11k-1/4
Q106 XN1A312
R114 1.2k-1/4
D102 MA142WA
D108 1SS355
C104 0.022-B
E104 100/10
R115 47k-1/16
C103 0.012-B
ZD171 HZS6B1L
CD BATT+5V
CD SERVO+B
L101 220uH
Q104 2SB1261
R170 100-1/4
R172 560-1/4
R171 560-1/4
D101 MA738
IC102 MC34063AML
C101 0.1-B
C106 N.U.
E105 100/16
R176 N.U.
L102 220uH
Q105 XN1A312
C105 0.022-B
E102 470/10 (KMG)
R175 470k-1/16
R174 22kF
R173 4.7kF
C174 1500p-CH
C102 120p-CH
C111 1000p-CH

Main P.W. Board (4/4)

NOTE: N.U. is Not Used Parts.

DA-7876RB

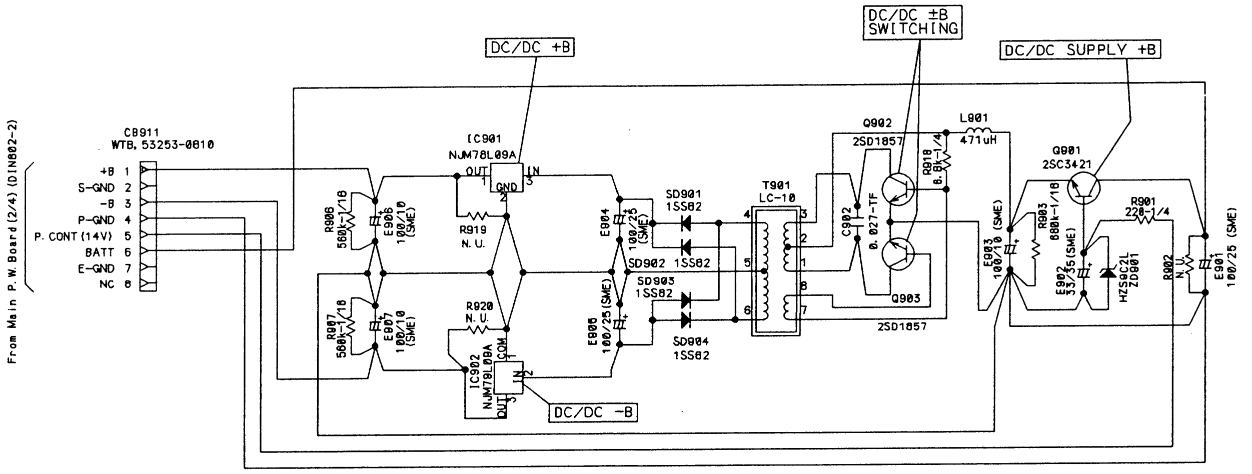
Schematic Diagram (5/6)


LC75823W
IC402
LCD DRIVER
LCD22[1:55]
LCD401
LCD, MF7977AO
LCD[1:56]
IC401
LC75883
LCD DRIVER & KEY SCAN
RA401 1kx4
C402 1000p-CH
R427 43k-1/16
C403 0.047-B
C404 0.047-B
C401 0.047-B
RA402 1kx4
RA403 1kx4
RA404 1kx4
R440 1k-1/16
R439 43k-1/16
C408 680p-CH
C406 0.047-B
C405 0.047-B
C407 0.047-B
SW421
ENC. EC11E15245
ROTARY ENCODER
MODE/BBE
VOLUME
ZD408 RD6. 2MB3
ZD409 RD6. 2MB3
D401 MA159
D402
IMN10
SW401 SOURCE/POWER
SW405 PLAY/PAUSE/TUNE/A.ME
SW408 BAND/T.S.M.
SW411 DISP/B.OUT
SW416 BWD/DN
SW402 FWD/UP
SW409 T INFO
SW412 B-FWD/DEFEAT
SW417 CENTER
SW403 X-OVER
SW406 TITLE
SW410 F/SET UP
SW413 1/AF
SW418 2/P.PTY
SW404 3/PTY
SW407 4/R.TEXT/M.I.X.
SW414 5/REPEAT
SW419 6/SCAN
SW415 EJECT
SW420 ANGLE
SW404, 406, 407, 410, 413~415, 418~420: SKQYPB
SW401~403, 405, 408, 409, 411, 412, 416, 417: SKQMAJ001
R444 4.7k
D405 1PS226
D406 1PS226
D407 1PS226
D408 1PS226
D409 1PS226
D410 N.U.
REMOTE CONTROL SENSOR
IC403
SBX3050-02
D450 MA165
SW422
SKQMAJ001
RESET
CH401
BTB, 55323-1511
NOSE-ON
GND
RESET SW
INV+B
LCD. CLK
NOSE ON+6V
LCD. CE
DIMMER
LCD. DO
LCD. DI
LCD. RST
REMOCON
ENCODER1
ENCODER2
E. E. GND
To ASSY, UNIZON CONN 71A(CH501)
LCD BACKLIGHT REGULATOR (WHITE)
R476
ZD401 MA3082-H
Q407 2SD874A
C417 0.022
Q404 UN2211
Q405 UN2211
Q403 2SD1328
Q402 N.U.
Q401 2SD1328
Q406 2SD1328
LD401 BR1111C
D411 N.U.
LED DRIVER (RED)
LED DRIVER (YELLOW)
KNOB LIGHTING LED·LAMP SWITCHING (GREEN·BLUE)
BACK-OUT DRIVER
LCD BACKLIGHT (WHITE)
PL401 6V-80mA
PL402 6V-80mA
PL403 6V-80mA
PL404 6V-80mA
LD402 FY1111C
LD403 FY1111C
LD404 FY1111C
LD426 NSCW5405T
LD427 NSCW5405T
LD428 NSCW5405T
LD429 NSCW5405T
LD430 NSCW5405T
LD431 NSCW5405T
ZD402 MAZS100
ZD403 MAZS100
ZD404 MAZS100

Front P. W. Board

NOTE: N. U. is Not Used Parts.

Schematic Diagram (6/6)


DC/DC +B
DC/DC ±B SWITCHING
DC/DC SUPPLY +B
From Main P. W. Board (2/4) (DIN802-2)
CB911
WTB, 53253-0810
+B 1
S-GND 2
-B 3
P-GND 4
P. CONT (14V) 5
BATT 6
E-GND 7
NC 8
IC901
NJM78L09A
OUT 1
IN 3
GND 2
R906
560k-1/16
E906
100/10 (SME)
R919
N. U.
R907
560k-1/16
E907
100/10 (SME)
R920
N. U.
IC902
NJM79L08A
COM 1
IN 2
OUT 3
DC/DC -B
E904
100/25 (SME)
E905
100/25 (SME)
SD901
1SS82
SD902 1SS82
SD903
1SS82
SD904
1SS82
T901
LC-10
4
5
6
3
2
1
8
7
C902
0.027-TF
Q902
2SD1857
R918
6.8k-1/4
L901
471uH
Q903
2SD1857
E903
100/10 (SME)
R903
680k-1/16
Q901
2SC3421
E902
33/35 (SME)
HZS9C2L
ZD901
R901
220-1/4
R902
N. U.
E901
100/25 (SME)

DC/DC P. W. Board

NOTE : N. U. is Not Used Parts.

Terminal Voltage of IC/TR

IC001		
1	4.9	
2	4.9	
3	0	
4	8.32/0	POWER ON/SEEK
5	8.32	

IC002		
1	8.3	
2	4.7	
3	5.67	
4	0	
5	4.7	
6	4.1	
7	8.3/0	POWER ON/SEEK
8	8.3	

IC005			
1	0	11	4.86
2	0	12	0
3	0	13	2.44
4	CLK	14	4.87
5	2	15	0
6	0	16	2.43
7	5	17	2.44
8	4.87	18	2.44
9	4.98	19	2.42
10	4.98	20	2.44

IC102	
1	PS
2	0
3	0.6
4	0
5	1.3
6	14.0
7	14.2
8	PS

IC201	
1	4.36
2	4.36
3	4.36
4	4.36
5	5.66
6	5.65
7	0
8	4.37
9	4.37
10	4.37
11	4.37
12	8.63
13	8.6
14	8.74

IC202							
1	4.34	12	4.36	23	NC	34	4.38
2	4.34	13	4.34	24	NC	35	4.38
3	4.34	14	0	25	4.39	36	4.38
4	4.34	15	0.96	26	4.39	37	4.39
5	4.34	16	4.70	27	4.39	38	4.39
6	4.22	17	NC	28	4.39	39	4.39
7	NC	18	3.6	29	4.39	40	4.39
8	NC	19	0	30	4.39	41	4.38
9	NC	20	4.99	31	4.38	42	4.38
10	NC	21	4.99	32	4.38	43	NC
11	4.34	22	8.80	33	4.38	44	NC

IC203						
1	4.40	8	0		15	4.41
2	4.41	9	4.61/0	BBE ON/OFF	16	4.42
3	4.41	10	4.62/0	BBE ON/OFF	17	4.42
4	4.41	11	0		18	4.36
5	4.42	12	8.82		19	4.36
6	4.40	13	4.38		20	4.37
7	4.43	14	4.44			

IC204	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	8.63

IC206			
1	2.37	10	PS
2	1.44	11	PS
3	2.5	12	PS
4	NC	13	NC
5	2.49	14	4.9
6	NC	15	NC
7	2.47	16	0
8	2.47	17	PS
9	4.9	18	0

IC254		
1	2.8	
2	2.8	
3	0	
4	8.35/0	SEEK OFF/ON
5	8.35	

IC301				
1	0	14	6.9	
2	0	15	7	
3	PS	16	6.9	
4	5	17	6.9	
5	PS	18	0	
6	14.5	19	6.9	
7	PS	20	14.5	
8	0	21	6.9	
9	PS	22	5.3/0	MUTE OFF/ON
10	6.9	23	6.9	
11	7	24	0	
12	6.9	25	NC	
13	0			

IC302	
1	0
2	0
3	NC
4	14
5	14
6	14
7	0
8	0
9	NC
10	NC
11	14.3
12	14.3

IC310	
1	0
2	0
3	0
4	-8.8
5	0
6	0
7	0
8	9

IC311	
1	0
2	0
3	0
4	-8.8
5	0
6	0
7	0
8	9

IC312	
1	0
2	0
3	0
4	-8.8
5	0
6	0
7	0
8	9

IC401								
1	4.5/0	BLACK OUT OFF/ON	21	PS	41	PS	61	PS
2	4.5		22	PS	42	PS	62	PS
3	PS		23	PS	43	PS	63	PS
4	PS		24	PS	44	PS	64	PS
5	PS		25	PS	45	PS	65	PS
6	PS		26	PS	46	PS	66	PS
7	PS		27	PS	47	PS	67	PS
8	PS		28	PS	48	PS	68	PS
9	PS		29	PS	49	PS	69	PS
10	PS		30	PS	50	PS	70	4.86
11	PS		31	PS	51	PS	71	3.23
12	PS		32	PS	52	PS	72	1.65
13	PS		33	PS	53	PS	73	0
14	PS		34	PS	54	PS	74	0
15	PS		35	PS	55	PS	75	PS
16	PS		36	PS	56	PS	76	PS
17	PS		37	PS	57	PS	77	PS
18	PS		38	PS	58	PS	78	PS
19	PS		39	PS	59	PS	79	CLK
20	PS		40	PS	60	PS	80	PS

IC402							
1	PS	17	PS	33	PS	49	PS
2	PS	18	PS	34	PS	50	PS
3	PS	19	PS	35	PS	51	PS
4	PS	20	PS	36	PS	52	PS
5	PS	21	PS	37	PS	53	PS
6	PS	22	PS	38	PS	54	PS
7	PS	23	PS	39	PS	55	PS
8	PS	24	PS	40	PS	56	4.86
9	PS	25	PS	41	PS	57	4.89
10	PS	26	PS	42	PS	58	3.23
11	PS	27	PS	43	PS	59	1.64
12	PS	28	PS	44	PS	60	0
13	PS	29	PS	45	PS	61	PS
14	PS	30	PS	46	PS	62	PS
15	PS	31	PS	47	PS	63	PS
16	PS	32	PS	48	PS	64	PS

IC403	
1	4.73
2	PS
3	0
4	0

IC501					
1	NC		51	0/4.93	DIMMER ON/OFF
2	NC		52	4.996	
3	NC		53	NC	
4	5		54	0	
5	0/4.91	0Bit MUTE OFF/ON	55	0/4.98	Nose Close/Open
6	PS		56	0/4.98	Nose Open/Close
7	PS		57	4.96/0	BW ON/OFF
8	PS		58	0/4.96	Others/Close Active
9	4.99		59	0/4.96	Others/Open Active
10	CLK		60	0/4.96	Others/Door Open
11	CLK		61	PS	
12	0		62	PS	
13	NC		63	PS	
14	NC		64	PS	
15	4.99		65	CLK	
16	4.98		66	5	
17	4.96		67	PS	
18	NC		68	5	
19	PS		69	4.98	
20	PS		70	0	
21	4.93		71	4.98	
22	NC		72	0	
23	5		73	4.98	
24	5		74	NC	
25	0		75	NC	
26	2.46		76	NC	
27	0		77	NC	
28	PS		78	NC	
29	4.79		79	PS	
30	0		80	PS	
31	0		81	5	
32	0		82	5	
33	0		83	4.98	
34	PS		84	4.98	
35	5		85	4.93	
36	5		86	0	
37	PS		87	PS	
38	PS		88	0/5	Buzzer ON/OFF
39	CLK		89	NC	
40	PS		90	4.96	
41	PS		91	PS	
42	PS		92	NC	
43	PS		93	NC	
44	PS		94	0	
45	PS		95	NC	
46	PS		96	NC	
47	PS		97	NC	
48	PS		98	NC	
49	NC		99	NC	
50	NC		100	NC	

IC502									
1	5	21	NC	41	NC	61	0	81	NC
2	NC	22	NC	42	NC	62	0	82	0
3	0	23	0	43	NC	63	PS	83	NC
4	0	24	NC	44	NC	64	0	84	0
5	0	25	NC	45	4.98	65	NC	85	4.95
6	2.01	26	NC	46	4.97	66	NC	86	0
7	CLK	27	NC	47	NC	67	0	87	0
8	0	28	NC	48	NC	68	0	88	0
9	5	29	NC	49	NC	69	0	89	0
10	NC	30	NC	50	5	70	NC	90	0
11	NC	31	NC	51	NC	71	0	91	0
12	NC	32	NC	52	NC	72	0	92	0
13	NC	33	NC	53	PS	73	CLK	93	5
14	NC	34	0	54	PS	74	PS	94	5
15	NC	35	0	55	PS	75	0	95	NC
16	NC	36	0	56	PS	76	0	96	NC
17	NC	37	0	57	PS	77	NC	97	4.95
18	NC	38	0	58	0	78	0	98	NC
19	NC	39	NC	59	0	79	4.66	99	4.87
20	NC	40	NC	60	0	80	4.99	100	NC

IC503	
1	0
2	0
3	0
4	0
5	5
6	5
7	0
8	5

IC801			
1	0	11	0
2	0	12	0
3	0	13	0
4	0	14	4.12
5	NC	15	4.99
6	2.65	16	5
7	0	17	14.3
8	0	18	0
9	0	19	0
10	0	20	0

IC804	
1	0
2	2.9
3	2
4	0
5	2.5
6	2.1
7	4.94
8	4.94

IC810					
1	NC		14	NC	
2	0		15	0/4.25	Others/Close Active
3	NC		16	NC	
4	0/3.90	Others/MOTOR Active	17	NC	
5	NC		18	NC	
6	0/3.90	Others/Nose Open Active	19	0	
7	0		20	0	
8	0/3.97	Others/Nose Close Active	21	0	
9	NC		22	NC	
10	11.95		23	NC	
11	11.95		24	0/4.2	Others/Open Active
12	NC		25	NC	
13	0				

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IC901	
1	9
2	0
3	13

IC902	
1	0
2	-13
3	-9

	1	2	3	4	5	MODE
Q009	4.97	2	4.9	0	0	
Q010	4.88/0	0	0	8.36/0	5/0	POWER ON/OFF
Q105	0	14	14.1	3.95	0	SOURCE CD/TUNER
Q106	0	14.2	14.27	4.0	0	SOURCE CD/TUNER
Q201	0/8.7	8.7/0	0/4.47	0	4.47/0	SUB.W ON LPF OFF/ON
Q803	0	4.97	5	8.36	0	
Q804	0	4.94	5	4.96	0	
Q805	0/14.4	14.2/0	14.27/14.4	4.4/0	0	
Q808	0	14.2	14.27	4.5	0	
Q814	0/8.36	8.28/1.8	8.35	2.53/0	0	FM/AM
Q825	0	14.23	0	0	14.28	MUTE OFF/ON
Q828	0	5	5	4.11	0	

	1	2	3	4	5	6	MODE
Q321	0	0	0	0/6.8	0	0/6.8	MUTE OFF/ON
Q322	0	0	0	0/6.5	0	0/6.6	MUTE OFF/ON
Q323	0	0	0	0/6.5	0	0/6.6	MUTE OFF/ON

	E	C	B	MODE
Q002	0	8.3	0	
Q003	0	0	PS	
Q005	0	0.1	0/2.0	SEEK
Q101	8.82	8.87	8.06/0.7	SOURCE CD/TUNER
Q102	0	0/8.6	3.9/0	CD ON/OFF
Q104	14.23	7.15/0.1	14.2	SOURCE CD/TUNER
Q107	5.14	14.26	5.71	
Q108	5.14	14.26	5.71	
Q202	0	3.6	0	
Q203	0	PS	2.7/0	SEEK
Q254	0	8.31	0/4.7	SEEK OFF/ON
Q280	0	PS	PS	

	E	C	B	MODE
Q401	0/4.5	0/4.5	0.7/5	Others/B.OUT
Q403	0/0	0.1/0	0.7/0	Others/Lighting OFF
Q404	0/0	0/2	4.5/2	Others/Lighting OFF
Q405	0/0	0/0	4.5/0	Others/POWER OFF
Q406	0/0	0/4.6	0/0	Others/B.OUT
Q407	8.2	10.6	8.6	
Q501	4.9	PS	PS	
Q502	0	PS	PS	
Q601	4.94	0/5	4.93	IN-INT
Q602	0	4.93	0/10.1	DIMMER OFF/ON
Q603	0	14.27/PS	PS	BUZZER OFF/ON
Q604	0	PS	PS	
Q605	0	PS	PS	
Q606	0	PS	PS	
Q607	4.9	0	4.85	
Q645	0	9.17/0	0/4.96	UNIZON Close/Open
Q801	14.19	14.24/0	14.24	POWER ON/OFF
Q802	0	0/14	4.13/0	POWER ON/OFF
Q806	12.25/0	14.3	12.9/0	POWER ON/OFF
Q807	11.9	14.27	12.4	
Q809	8.8/0	14.2/14.4	9.4/0	POWER ON/OFF
Q810	5.68/0	8.93/0	6.3/0	POWER ON/OFF
Q812	8.36	8.29/0	0/8.36	FM/AM
Q813	8.36	0/8.36	8.28/7.6	FM/AM
Q816	13.67/14.28	13.7/0	13/14.25	P.ANT Open/Short GND
Q817	14.25/14.25	0	14.23/0.6	P.ANT Open/Short GND
Q819	0	0/14.26	5.33/0.6	P.ANT Open/Short GND
Q820	0	14.2/0	0/9.72	P.ANT Open/Short GND
Q821	4.94	PS	4.94	Connect CD CHG
Q822	0	PS	0	Connect CD CHG
Q823	5	PS	5	Connect CD CHG
Q824	0	0	4.3	
Q826	0	5.29/0	0/3.8	
Q840	11.9	14.27	12.4	
Q870	8.36/0	13.79/0	8.96/0	POWER ON/OFF
Q871	5.66/0	8.96/0	6.3/0	POWER ON/OFF
Q872	12.25/0	14.3	12.9/0	POWER ON/OFF
Q901	9.22	14.3	9.86	
Q902	0	9.08	0	
Q903	0	9.08	0	

[Measuring Conditions]

• Power Supply Voltage	: DC14.4V
• Measuring Meter	: Digital Multi Meter
• Measuring Point Reference	: Between GND
• Measuring Condition	: FM : 98.1MHz MW : 999KHz CD : at playing Disc

Description of IC Terminal

D784218GC : IC501

No.	Symbol	I/O	Terminal Description
1	NC	–	No connect terminal.
2			
3			
4	CD-STBY	O	Stand-by signal output terminal to CD Mechanism μ-COM.
5	0 MUTE-DET	I	0 MUTE signal input terminal from CD Mechanism.
6	CD-LSI RST	O	Reset signal output terminal to CD Mechanism μ-COM.
7	CD-CS	O	Chip select signal output terminal to CD Mechanism μ-COM.
8	CD-SRQ	I	Communication REQ signal input terminal from CD Mechanism μ-COM.
9	VDD	–	VDD connect terminal.
10	X2	–	Main system Clock OSC circuit connect terminal.
11	X1		
12	VSS	–	GND connect terminal.
13	NC	–	No connect terminal.
14			
15	$\overline{\text{RESET}}$	–	System reset signal terminal.
16	BAT-DET	I	BATT detection signal input terminal.
17	ACC-DET	I	ACC detection signal input terminal.
18	NC	–	No connect terminal.
19	BUS-IN	I	Ai-NET BUS-DATA signal input terminal.
20	BUS-OUT	O	Ai-NET BUS-DATA signal output terminal.
21	IN-SW	I	DISC loading detection switch signal input terminal.
22	NC	–	No connect terminal.
23	AVDD	–	Analog power supply terminal of A/D converter.
24	AVref0	–	Standard voltage input terminal of A/D converter.
25	GND	–	GND connect terminal.
26	NOSE-ON	I	NOSE installation detection signal input terminal.
27	FM/AM SM	I	FM/AM signal meter signal input terminal.
28	3834 A/D	I	SPE-ANA data signal input terminal.
29	T-SENS	I	Power AMP temperature detection signal input terminal.
30	GND	–	GND connect terminal.
31			
32	AREA	I	Area setting signal input terminal.
33	AVSS	–	GND electric potential terminal of A/D converter.
34	3834 SHIFT	O	SPE-ANA level switching signal output terminal.
35	DTS CE	O	Chip enable signal output terminal to DTS μ-COM.
36	AVref1	–	Standard voltage input terminal of A/D converter.
37	DTS STS	I	System status signal input terminal from DTS μ-COM.
38	DTS CMD	O	Serial data signal output terminal to DTS μ-COM.
39	DTS CLK	O	Serial clock signal output terminal to DTS μ-COM.
40	CD-STS	I	Status signal input terminal from CD Mechanism μ-COM.
41	CD-CMD	O	Command signal output terminal to CD Mechanism μ-COM.
42	CD-SCK	O	Clock signal output terminal to CD Mechanism μ-COM.
43	DTS MUTE	I	Mute signal input terminal from DTS μ-COM.
44	LCD-RST	O	Reset signal output terminal to LCD Driver.
45	LCD-DO	I	Serial data signal input terminal from LCD Driver.
46	LCD-DI	O	Serial data signal output terminal to LCD Driver.

No.	Symbol	I/0	Terminal Description
47	LCD-CLK	0	Serial clock signal output terminal to LCD Driver.
48	LCD-CE1	0	Chip enable signal output terminal to LCD Driver.
49	LCD-CE2(NC)	-	No connect terminal.
50	LO/$\overline{\text{DX}}$(NC)		
51	$\overline{\text{IN DIMMER}}$	I	Dimmer control signal input terminal.
52	OUT-REM	0	Remote ON signal output terminal for external Amp.
53	NC	-	No connect terminal.
54	IN-INT	I	In-Interrupt input terminal.
55	$\overline{\text{LIMIT SW2}}$	I	Movement Nose condition position detetcion signal input terminal.
56	$\overline{\text{LIMIT SW1}}$		
57	BW	0	Switching control signal output terminal of FM Band Width.
58	MOTOR REV	0	Motor control signal output terminal for Movement Nose open/close.
59	MOTOR FOR		
60	DOOR LED	0	LED signal output terminal for Door LED.
61	3834 A	0	Select signal output terminal to SPE-ANA IC
62	3834 B		
63	3834 C		
64	EV-DATA	0	Serial data signal output terminal of Electrical Volume.
65	EV-CLK	0	Serial clock signal output terminal of Electrical Volume.
66	BBE-1	0	Control output terminal for BBE. (BBE)
67	BBE-2	0	Control output terminal for BBE. (PROCESS)
68	BBE-3	0	Control output terminal for BBE. (LO CONT)
69	LPF1	0	Control signal output terminal for Low Pass Filter.
70	LPF2		
71	$\overline{\text{MUTE}}$	0	Audio Mute signal output terminal.
72	VSS	-	GND connect terminal.
73	MOTOR-CONT	0	Power supply control signal output terminal of Unizon Motor.
74	NC	-	No connect terminal.
≀			
78			
79	ENCODER1	I	Encoder signal input terminal.
80	ENCODER2		
81	VDD	-	VDD connect terminal.
82	POWER IC-ON	0	Stand-by control signal output terminal for Power IC.
83	NOSE-PWR	0	Power supply control signal output terminal of LCD Driver.
84	BL-LED ON	0	LED control signal output terminal for LCD backlight.
85	PWR-CONT	0	Power supply control signal output terminal of Audio and Key lighting.
86	60W-CONT	0	Control signal output terminal of 60W AMP.
87	DIMMER-CONT	0	Control signal (PWM) output terminal for Dimmer.
88	BUZZER	0	Guide tone Buzzer signal output terminal.
89	NC	-	No connect terminal.
90	V-CONT	0	CD power supply control signal output terminal.
91	REMOCON	I	Remote control data input terminal.
92	NC	-	No connect terminal.
93			
94	Vpp	-	GND connect terminal.
95	DOOR SW(NC)	-	No connect terminal.

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No.	Symbol	I/O	Terminal Description
96	NC	-	No connect terminal.
≀			
99			
100	Auto Adj.(NC)		

MB89689PF : IC502

No.	Symbol	I/O	Terminal Description
1	VCC	-	+5V connect terminal.
2	NC	-	No connect terminal.
3	XOA(GND)	-	GND connect terminal.
4	MOD0(GND)		
5	MOD1(GND)		
6	X0	O	Crystal connect terminal. (8MHz)
7	X1	I	
8	VSS	-	GND connect terminal.
9	RESET	I	Reset input terminal. (L : RESET)
10	NC	-	No connect terminal.
≀			
22			
23	AM ST(PULL-DOWN)	-	Pull-down connect terminal.
24	NC	-	No connect terminal.
≀			
28			
29	AM ST/MO(NC)	-	
30	FM DIVER(NC)	-	
31	NC	-	
≀			
33			
34	T-MUTE	O	Tuner mute output terminal. (L : MUTE ON)
35	NC(GND)	-	GND connect terminal.
≀			
38			
39	NC	-	No connect terminal.
≀			
44			
45	RxD(PULL-UP)	I	RDS monitor input terminal. (pull-up connect)
46	TxD	O	RDS monitor output terminal.
47	NC	-	No connect terminal.
≀			
49			
50	VCC	-	VCC connect terminal.
51	NC	-	No connect terminal.
52			
53	TUNER CLK	I	Clock input terminal from main μ-COM.
54	TUNER SI	I	Serial input terminal from main μ-COM.
55	TUNER SO	O	Serial output terminal to main μ-COM.
56	RDS SDA	I/O	RDS I2C data input/output terminal.
57	RDS CLK	O	RDS I2C CLK output terminal.

No.	Symbol	I/O	Terminal Description
58	NC(GND)	-	GND connect terminal.
59	VSS		
60	NC(GND)		
≀			
62			
63	I2C DATA	I/O	I2C-BUS IC data input/output terminal.
64	I2C CLK	O	I2C-BUS CLK output terminal.
65	Devider(NC)	-	No connect terminal.
66	Narrow(NC)		
67	$\overline{\text{SEEK Req.}}$	O	Seek speed control (Tuner) terminal. (L : SEEK)
68	NC(GND)	-	GND connect terminal.
69	$\overline{\text{AF HOLD}}$	O	AF HOLD output terminal. (L : tuner setting HOLD)
70	AF HOLD(NC)	-	No connect terminal.
71	IF MUTE	O	IF mute control terminal. (H : MUTE ON)
72	FM/$\overline{\text{AM}}$	O	FM/AM switching terminal. (H : FM)
73	PLL CLK	O	PLL clock output terminal.
74	PLL DATA	I/O	PLL CE output terminal.
75	PLL CE	O	PLL CE output terminal.
76	SEEK Req.	O	Seek speed control (Tuner) terminal. (H : SEEK)
77	RDS RESET(NC)	-	No connect terminal.
78	SD	I	SD (Tuner) input terminal. (H : station ON)
79	$\overline{\text{PSWN}}$	I	Audio signal level detect terminal from RDS Decoder. (L : no station)
80	$\overline{\text{Auto Adj.}}$	I	Auto adjustment terminal. (L : auto adjustment start)
81	TUNER ON(NC)	-	No connect terminal.
82	LO/$\overline{\text{DX}}$	O	Local/DX seek (Tuner) switching terminal. (H : local SEEK)
83	NC	-	No connect terminal.
84	AVSS	-	GND connect terminal.
85	S/M	I	Field strength (A/D, Tuner) input terminal.
86	M/P	I	Multipath rejection (A/D) input terminal.
87	NC(GND)	-	GND connect terminal.
≀			
92			
93	AVCC	-	VCC connect terminal.
94	AVR		
95	NC	-	No connect terminal.
96	RESET(NC)		
97	SUB STBY	I	Stand-by input terminal from main μ-COM.
98	NC	-	No connect terminal.
99	DAVN	I	RDS data available input terminal.
100	NC	-	No connect terminal.

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Electrical Parts List

Capacitor : μF=microfarads,pF=picofarads

Abbreviations

RES.= Resistor
C.F.= Carbon Film
M.F.= Metal Film
M.O.= Metal OxideFilm
M.P.= Metal Plate
TR. = Transistor
TRANS.= Transformer
CP. = Chip

CAP.= Capacitor
ELY.= Electrolytic
CER.= Ceramic
MYL.= Mylar
TAN.= Tantalum
POLY.= Polystyrol
PP. = Polypropylene
PLT.= Polyethylene
PF. = Polyester Film

Symbol No.	Part No.	Description
Main P.W.Board		
IC's		
IC001	51T15731W10	TC7S66F-TE85L -CP
IC002	51T93332F01	IC,NJM2903M-TE3 -SE2
IC005	51T15132Y02	SAA6588T -SE9
IC102	51T15510W01	IC ,MC34063AML -SPD
IC201	51T15456Y01	TC74HC4066AFT-EL-SE5
IC202	51T35457Y01	TDA7402 -QT
IC203	51T15468Y02	NJM2150AV-TE1 -SE2
IC204	51T93333F01	NJM2904M-TE3 -SE2
IC206	51T95048W01	BA3834F -SE9
IC254	51T15731W10	TC7S66F-TE85L -CP
IC301	51T35403Y01	TDA7560 -ZS
IC302	51T15426Y02	STK475-010 -IB
IC310	51T25576W04	IC ,NJM4580E-TE2-SE3
IC311	51T25576W04	IC ,NJM4580E-TE2-SE3
IC312	51T25576W04	IC ,NJM4580E-TE2-SE3
IC501	51T45297Y01	IC,D784218GC- -QT
IC502	51T15161Y03	IC,MB89689PF- -QT
IC503	51T25160Y01	M24C04-WMN6T -SE2
IC801	51T95193W01	TDA3606AT -SE9
IC804	51T93332F01	IC,NJM2903M-TE3 -SE2
IC810	51T25448Y01	BA6219BFP-Y-E2 -SE9
Transistors		
Q002	48T64222F05	TR ,UN2215 10 -TX
Q003	48T64222F01	TR ,UN2211 10-10 -TX
Q005	48T64222F02	TR ,UN2212 22-22 -TX
Q009	48T45594W16	TR,XN1A311-TX -CP
Q010	48T45594W16	TR,XN1A311-TX -CP
Q101	48T52437F05	TR ,2SB709A-S /TX-CP
Q102	48T45251W03	TR ,UN5212 22-22 -CP
Q104	48T15511W02	CP.2SB1261-TE2 -E5
Q105	48T45594W12	TR ,XN1A312 -TX-CP
Q106	48T45594W12	TR ,XN1A312 -TX-CP
Q107	48T69176F02	TR ,2SC3421-Y
Q108	48T69176F02	TR ,2SC3421-Y
Q201	48T45594W08	TR ,XN1212 -TX-CP
Q202	48T64222F02	TR ,UN2212 22-22 -TX
Q203	48T45251W03	TR ,UN5212 22-22 -CP
Q254	48T45251W03	TR ,UN5212 22-22 -CP
Q280	48T64222F02	TR ,UN2212 22-22 -TX
Q321	48T25317Y01	TR,XN0F256-TX -CP
Q322	48T25317Y01	TR,XN0F256-TX -CP
Q323	48T25317Y01	TR,XN0F256-TX -CP
Q501	48T64221F11	TR,UN211L-TX -CP
Q502	48T64222F02	TR ,UN2212 22-22 -TX
Q601	48T64221F11	TR,UN211L-TX -CP
Q602	48T64222F02	TR ,UN2212 22-22 -TX
Q603	48T64222F02	TR ,UN2212 22-22 -TX
Q604	48T64222F01	TR ,UN2211 10-10 -TX
Q605	48T64222F01	TR ,UN2211 10-10 -TX
Q606	48T64222F01	TR ,UN2211 10-10 -TX
Q607	48T52437F05	TR ,2SB709A-S /TX-CP
Q645	48T64222F01	TR ,UN2211 10-10 -TX
Q801	48T84366F03	TR,2SB1243-Q-TV2 -RD
Q802	48T64222F11	TR,UN221F-TX -CP
Q803	48T45594W12	TR ,XN1A312 -TX-CP
Q804	48T45594W16	TR,XN1A311-TX -CP
Q805	48T45594W12	TR ,XN1A312 -TX-CP
Q806	48T93828F04	TR,2SD1994A-S-TA -RD
Q807	48T93828F04	TR,2SD1994A-S-TA -RD
Q808	48T45594W12	TR ,XN1A312 -TX-CP
Q809	48T69176F02	TR ,2SC3421-Y
Q810	48T52438F04	TR ,2SD601A-S /TX-CP
Q812	48T64221F13	TR,UN211H-TX -CP
Q813	48T63419F04	TR,CP.2SA1036K-HR-96
Q814	48T45594W16	TR,XN1A311-TX -CP
Q816	48T84366F03	TR,2SB1243-Q-TV2 -RD
Q817	48T64221F13	TR,UN211H-TX -CP
Q819	48T64222F12	TR,UN221L-TX -CP
Q820	48T64222F02	TR ,UN2212 22-22 -TX
Q821	48T52437F05	TR ,2SB709A-S /TX-CP
Q822	48T52438F04	TR ,2SD601A-S /TX-CP
Q823	48T64221F02	TR ,UN2112 22-22 -TX
Q824	48T64222F02	TR ,UN2212 22-22 -TX
Q825	48T45594W12	TR ,XN1A312 -TX-CP
Q826	48T64222F01	TR ,UN2211 10-10 -TX
Q828	48T45594W12	TR ,XN1A312 -TX-CP
Q840	48T93828F04	TR,2SD1994A-S-TA -RD
Q870	48T92368F04	TR,2SD1760 R -E5

Symbol No.	Part No.	Description
Q871	48T52438F04	TR ,2SD601A-S /TX-CP
Q872	48T93828F04	TR,2SD1994A-S-TA -RD
Diodes		
D001	48T15437Y01	DIO,HSM123-TL -CP
D002	48T45254W03	DIO,SI-MA142WK -CP
D003	48T25665Y01	DIO,1SS355-TE17 -CP
D101	48T95572W01	DIO,SHT MA736-TX -E1
D102	48T45254W02	DIO,SI MA142WA-TX-CP
D106	48T25665Y01	DIO,1SS355-TE17 -CP
D199	48T95572W01	DIO,SHT MA736-TX -E1
D201	48T81063F01	DIO,CP.MA159 / TX-CP
D280	48T25665Y01	DIO,1SS355-TE17 -CP
D301	48T95572W01	DIO,SHT MA736-TX -E1
D302	48T95572W01	DIO,SHT MA736-TX -E1
D303	48T95572W01	DIO,SHT MA736-TX -E1
D304	48T95572W01	DIO,SHT MA736-TX -E1
D305	48T95572W01	DIO,SHT MA736-TX -E1
D306	48T95572W01	DIO,SHT MA736-TX -E1
D307	48T95572W01	DIO,SHT MA736-TX -E1
D308	48T95572W01	DIO,SHT MA736-TX -E1
D321	48T45254W02	DIO,SI MA142WA-TX-CP
D351	48T45254W02	DIO,SI MA142WA-TX-CP
D352	48T45254W02	DIO,SI MA142WA-TX-CP
D501	48T25665Y01	DIO,1SS355-TE17 -CP
D502	48T25665Y01	DIO,1SS355-TE17 -CP
D601	48T25651W02	DIO,MA152WK-TX -CP
D602	48T25651W02	DIO,MA152WK-TX -CP
D603	48T25665Y01	DIO,1SS355-TE17 -CP
D801	48T85268W01	DIO,P300G -
D802	48T25665Y01	DIO,1SS355-TE17 -CP
D803	48T25593Y01	DIO,S1G-6601 -E1
D804	48T94335F02	DIO,MA153A-TX -CP
D805	48T25665Y01	DIO,1SS355-TE17 -CP
D806	48T44813F03	DIO,MA165 -R5
D807	48T25651W01	DIO,CP MA152WA
D808	48T25651W02	DIO,MA152WK-TX -CP
D810	48T25593Y01	DIO,S1G-6601 -E1
D811	48T81063F01	DIO,CP.MA159 / TX-CP
D814	48T25665Y01	DIO,1SS355-TE17 -CP
D815	48T25665Y01	DIO,1SS355-TE17 -CP
D824	48T25665Y01	DIO,1SS355-TE17 -CP
ZD171	48T25766W04	DIO,ZEN.HZS 6B1L -R5
ZD801	48T25766W15	DIO,ZEN.HZS 7B3L -R5
ZD802	48T25766W38	DIO,ZEN.HZS12A3L -R5
ZD803	48T25766W24	DIO,ZEN.HZS 9C1L -R5
ZD804	48T25766W02	DIO,ZEN.HZS 6A2L -R5

Symbol No.	Part No.	Description
ZD805	48T25766W36	DIO,ZEN.HZS12A1L -R5
ZD806	48T25801W08	DIO,ZEN.HZS 4BLL -R5
ZD874	48T25766W03	DIO,ZEN.HZS 6A3L -R5
Coils		
L001	24T65172W17	IND,LEM4532 4R7K -E2
L002	24T16403W29	COI,IND.15R-M -CP
L010	24T16403W15	COI,IND.1R0-M K -CP
L011	24T16403W15	COI,IND.1R0-M K -CP
L012	24T16403W07	COI,IND.R22-M K -CP
L013	24T16403W15	COI,IND.1R0-M K -CP
L101	24T15313Y17	IND,CDRH104 221M -E6
L102	24T16271W13	COIL,RCR875D-221K
L501	24T16403W15	COI,IND.1R0-M K -CP
L806	24T16403W23	COI,IND.4R7-M -CP
VT001	24T15267Y01	COIL,7TL -DB
Crystals		
XL001	91T85169W18	XTL,HC-49 4.332M -R5
XL501	91T95084W02	XTL,CS20 12.288M -E9
XL503	91T85169W44	XTL,HC-49 7.3728M-R5
LED's		
LD601	48T65477W05	LED,SML-010DTT87 -CP
LD602	48T65477W05	LED,SML-010DTT87 -CP
Buzzer		
BZ601	50T85541W01	BUZZER,CD11PA-XZ -H5
Filter		
CF001	91T75257W02	LPF,LPF11830KH-3C-DB
Surge Absorber		
SA001	48T81048F02	PTT,DSP-201M -RD

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Symbol No.	Part No.	Description
Switch		
SW332	40T45282W02	SW,SLIDE SLD-42-508X (Ai-NET・NORM/(EQ/DIV))
Thermistor		
TH501	48T25250Y01	TMT,ERTJ1VV104J -CP
Capacitors		
C001	08T15399W01	CAP,CER.223K-B1H -CP
C002	08T15399W01	CAP,CER.223K-B1H -CP
C003	08T15399W01	CAP,CER.223K-B1H -CP
C005	08S60102F46	CAP,CER 684K-B1E -CP
C008	08S45676W71	CAP,CER.682K-B1H -CP
C009	08S45677W52	CAP,CER 471J-CH1H-CP
C012	08S60102F40	CAP,CER 224K-B1E -CP
C016	08S45676W65	CAP,CER.222K-B1H -CP
C018	08S45677W48	CAP,CER.331J-CH1H-CP
C019	08S45677W36	CAP,CER.101J-CH1H-CP
C020	08S45676W73	CAP,CER.103K-B1H -CP
C025	08S45677W22	CAP,CER.27RJ-CH1H-CP
C026	08S45677W23	CAP,CER.30RJ-CH1H-CP
C028	08S45676W65	CAP,CER.222K-B1H -CP
C030	08S45677W54	CAP,CER 561J-CH1H-CP
C100	08S82122F61	CAP,CER.102J-CH1H-CP
C101	08S35374W01	CAP,CER 104K-B1E-CP
C102	08S45677W38	CAP,CER 121J-CH1H-CP
C103	08S65128F70	CAP,CER.123K-B1H -CP
C104	08T15399W01	CAP,CER.223K-B1H -CP
C105	08T15399W01	CAP,CER.223K-B1H -CP
C111	08S82122F61	CAP,CER.102J-CH1H-CP
C174	08S82122F65	CAP,CER.152J-CH1H-CP
C201	08T15349Y01	CAP,CER 105K-B1A -CP
C204	08S65128F70	CAP,CER.123K-B1H -CP
C206	08S35374W01	CAP,CER 104K-B1E-CP
C207	08S45677W36	CAP,CER.101J-CH1H-CP
C209	08S82122F61	CAP,CER.102J-CH1H-CP
C210	08S35374W01	CAP,CER 104K-B1E-CP
C211	08T15399W03	CAP,CER.473K-B1H -CP
C212	08S35374W01	CAP,CER 104K-B1E-CP
C216	08S60102F44	CAP,CER 474K-B1E -CP
C220	08T15349Y01	CAP,CER 105K-B1A -CP
C231	08S45676W67	CAP,CER.332K-B1H -CP
C232	08S45676W67	CAP,CER.332K-B1H -CP
C233	08S45676W82	CAP,CER 333K-B1C -CP

Symbol No.	Part No.	Description
C234	08S45676W82	CAP,CER 333K-B1C -CP
C280	08S45676W80	CAP,CER 223K-B1E -CP
C281	08S45676W80	CAP,CER 223K-B1E -CP
C282	08S45676W80	CAP,CER 223K-B1E -CP
C283	08S45676W80	CAP,CER 223K-B1E -CP
C284	08T15349Y01	CAP,CER 105K-B1A -CP
C285	08T15399W01	CAP,CER.223K-B1H -CP
C301	08S60102F48	CAP,CER 105K-B1E -CP
C302	08S60102F48	CAP,CER 105K-B1E -CP
C303	08S60102F48	CAP,CER 105K-B1E -CP
C304	08S60102F48	CAP,CER 105K-B1E -CP
C305	08S60102F48	CAP,CER 105K-B1E -CP
C306	08T15399W03	CAP,CER.473K-B1H -CP
C308	08T15399W03	CAP,CER.473K-B1H -CP
C311	08S45677W25	CAP,CER 36RJ-CH1H-CP
C312	08S45677W25	CAP,CER 36RJ-CH1H-CP
C331	08T25628Y03	CAP,TF 224M-1C -CP
C332	08T25628Y03	CAP,TF 224M-1C -CP
C333	08T25628Y03	CAP,TF 224M-1C -CP
C334	08T25628Y03	CAP,TF 224M-1C -CP
C341	08S45677W25	CAP,CER 36RJ-CH1H-CP
C342	08S45677W25	CAP,CER 36RJ-CH1H-CP
C343	08S45677W25	CAP,CER 36RJ-CH1H-CP
C344	08S45677W25	CAP,CER 36RJ-CH1H-CP
C501	08S45677W16	CAP,CER.15RJ-CH1H-CP
C502	08S45677W14	CAP,CER.12RJ-CH1H-CP
C503	08T15399W01	CAP,CER.223K-B1H -CP
C504	08S45677W18	CAP,CER.18RJ-CH1H-CP
C505	08S45677W16	CAP,CER.15RJ-CH1H-CP
C506	08T15399W01	CAP,CER.223K-B1H -CP
C507	08S45676W73	CAP,CER.103K-B1H -CP
C508	08T15399W01	CAP,CER.223K-B1H -CP
C601	08T15399W01	CAP,CER.223K-B1H -CP
C602	08S35374W01	CAP,CER 104K-B1E-CP
C603	08S45676W65	CAP,CER.222K-B1H -CP
C604	08S45677W36	CAP,CER.101J-CH1H-CP
C605	08T15399W01	CAP,CER.223K-B1H -CP
C607	08T15399W01	CAP,CER.223K-B1H -CP
C802	08T15399W01	CAP,CER.223K-B1H -CP
C804	08S45676W80	CAP,CER 223K-B1E -CP
C805	08T15399W01	CAP,CER.223K-B1H -CP
C806	08S35374W01	CAP,CER 104K-B1E-CP
C808	08S45677W36	CAP,CER.101J-CH1H-CP
C809	08S45677W22	CAP,CER.27RJ-CH1H-CP
C811	08S60102F44	CAP,CER 474K-B1E -CP
C812	08S60102F44	CAP,CER 474K-B1E -CP
C813	08S65128F71	CAP,CER.153K-B1H -CP
C830	08T15399W01	CAP,CER.223K-B1H -CP
C831	08T55390W34	CAP,TF 274J-1H -R5

Symbol No.	Part No.	Description
C870	08T15399W01	CAP,CER.223K-B1H -CP
C871	08T95466W01	CAP,CER 222K-B2J -CP
C874	08T95466W01	CAP,CER 222K-B2J -CP
E001	23T55521W16	CAP,AK .22R-1C -R2
E002	23T55521W16	CAP,AK .22R-1C -R2
E003	23T55521W16	CAP,AK .22R-1C -R2
E004	23S75373W13	CAP,ELY 1R0-1H -R2
E005	23S75373W02	CAP,ELY 10R-1C -R2
E006	23S75373W13	CAP,ELY 1R0-1H -R2
E007	23T55521W16	CAP,AK .22R-1C -R2
E008	23T55521W16	CAP,AK .22R-1C -R2
E009	23S75373W02	CAP,ELY 10R-1C -R2
E010	23S75373W14	CAP,ELY 2R2-1H -R2
E102	23T55378W03	CAP,KMG 471-1A -R2
E103	23S75372W05	CAP,ELY 22R-1C -R2
E104	23S75372W02	CAP,ELY 101-1A -R2
E106	23T95564W12	CAP,FC 101-1C-E -E6
E141	23S75372W15	CAP,ELY 1R0-1H -R2
E142	23S75372W15	CAP,ELY 1R0-1H -R2
E201	23S75372W15	CAP,ELY 1R0-1H -R2
E202	23S75372W15	CAP,ELY 1R0-1H -R2
E203	23S75372W15	CAP,ELY 1R0-1H -R2
E204	23S75372W15	CAP,ELY 1R0-1H -R2
E207	23S75372W05	CAP,ELY 22R-1C -R2
E208	23S75372W04	CAP,ELY 10R-1C -R2
E209	23S75372W17	CAP,ELY 3R3-1H -R2
E210	23S75372W17	CAP,ELY 3R3-1H -R2
E213	23S75372W04	CAP,ELY 10R-1C -R2
E214	23S75372W04	CAP,ELY 10R-1C -R2
E216	23S75372W04	CAP,ELY 10R-1C -R2
E231	23S75372W04	CAP,ELY 10R-1C -R2
E232	23S75372W05	CAP,ELY 22R-1C -R2
E234	23S75372W04	CAP,ELY 10R-1C -R2
E235	23S75372W04	CAP,ELY 10R-1C -R2
E240	23S75372W05	CAP,ELY 22R-1C -R2
E280	23T55521W16	CAP,AK .22R-1C -R2
E305	23S75372W15	CAP,ELY 1R0-1H -R2
E306	23S75372W15	CAP,ELY 1R0-1H -R2
E307	23T55378W06	CAP,KMG 47R-1V -R2
E308	23T75346W04	CAP,X-PRO 252-1D +
E309	23T25139Y03	CAP,PW 471-1E +
E310	23T25139Y03	CAP,PW 471-1E +
E311	23S75373W14	CAP,ELY 2R2-1H -R2
E312	23S75373W14	CAP,ELY 2R2-1H -R2
E313	23S75373W02	CAP,ELY 10R-1C -R2
E314	23T75346W03	CAP,X-PRO 332-1C +
E315	23T95564W41	CAP,FC 471-1C-G -EA
E318	23T55521W16	CAP,AK .22R-1C -R2
E319	23T55521W16	CAP,AK .22R-1C -R2

Symbol No.	Part No.	Description
E321	23S75373W14	CAP,ELY 2R2-1H -R2
E322	23S75373W14	CAP,ELY 2R2-1H -R2
E341	23S75373W14	CAP,ELY 2R2-1H -R2
E342	23S75373W14	CAP,ELY 2R2-1H -R2
E343	23S75373W14	CAP,ELY 2R2-1H -R2
E344	23S75373W14	CAP,ELY 2R2-1H -R2
E348	23T55521W16	CAP,AK .22R-1C -R2
E349	23T55521W16	CAP,AK .22R-1C -R2
E351	23S75372W16	CAP,ELY 2R2-1H -R2
E352	23S75372W16	CAP,ELY 2R2-1H -R2
E353	23S75372W16	CAP,ELY 2R2-1H -R2
E354	23S75372W16	CAP,ELY 2R2-1H -R2
E361	23T55521W16	CAP,AK .22R-1C -R2
E362	23T55521W16	CAP,AK .22R-1C -R2
E380	23T45365W05	CAP,SME 101-1E -R2
E381	23T45365W02	CAP,SME 101-1A -R2
E382	23T45365W02	CAP,SME 101-1A -R2
E501	23S75372W03	CAP,ELY 221-1A -H2
E502	23S75372W03	CAP,ELY 221-1A -H2
E503	23S75372W05	CAP,ELY 22R-1C -R2
E504	23S65134W32	CAP,ELY 22R-1C(5)-E3
E601	23T95564W08	CAP,FC 10R-1C-B -E2
E805	23S75373W06	CAP,ELY 101-1C -R2
E806	23S65134W72	CAP,ELY 3R3-1H(4)-E2
E807	23S75372W08	CAP,ELY 101-1C -H2
E808	23S75372W05	CAP,ELY 22R-1C -R2
E809	23S75372W08	CAP,ELY 101-1C -H2
E811	23S75372W04	CAP,ELY 10R-1C -R2
E812	23S75372W07	CAP,ELY 47R-1C -R2
E813	23S75372W18	CAP,ELY 101-1E -H2
E814	23S75372W02	CAP,ELY 101-1A -R2
E815	23S75372W06	CAP,ELY 33R-1C -R2
E818	23S65134W31	CAP,ELY 10R-1C(4)-E2
E821	23S75372W04	CAP,ELY 10R-1C -R2
E822	23T55521W16	CAP,AK .22R-1C -R2
E823	23S65134W62	CAP,ELY R22-1H(3)-E2
E870	23S75372W03	CAP,ELY 221-1A -H2
E871	23S75372W03	CAP,ELY 221-1A -H2

Resistors

Symbol No.	Part No.	Description
L502	06T75432W50	RES,RK JUMPER1/10-CP
R001	06T75433W01	RES,RK 10RJ 1/4 -CP
R003	06T25277Y47	RES,RK 391J 1/16 -CP
R010	06T25277Y95	RES,RK 393J 1/16 -CP
R011	06T25277Y87	RES,RK 183J 1/16 -CP
R012	06T25279Y03	RES,RK 225J 1/16 -CP
R014	06T25277Y97	RES,RK 473J 1/16 -CP

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Symbol No.	Part No.	Description
R015	06T25277Y97	RES,RK 473J 1/16 -CP
R016	06T25277Y57	RES,RK 102J 1/16 -CP
R017	06T25277Y57	RES,RK 102J 1/16 -CP
R018	06T25279Y04	RES,RK JUMPER1/16-CP
R019	06T25277Y81	RES,RK 103J 1/16 -CP
R022	06T25277Y89	RES,RK 223J 1/16 -CP
R025	06T25277Y75	RES,RK 562J 1/16 -CP
R026	06T25277Y81	RES,RK 103J 1/16 -CP
R027	06T25277Y93	RES,RK 333J 1/16 -CP
R029	06T25277Y91	RES,RK 273J 1/16 -CP
R030	06T75434W26	RES,RK JUMPER 1/4-CP
R031	06T75434W26	RES,RK JUMPER 1/4-CP
R032	06T75432W50	RES,RK JUMPER1/10-CP
R033	06T75432W50	RES,RK JUMPER1/10-CP
R034	06T25277Y57	RES,RK 102J 1/16 -CP
R035	06T25279Y04	RES,RK JUMPER1/16-CP
R036	06T25277Y43	RES,RK 271J 1/16 -CP
R037	06T25277Y43	RES,RK 271J 1/16 -CP
R038	06T25277Y57	RES,RK 102J 1/16 -CP
R040	06T25277Y65	RES,RK 222J 1/16 -CP
R041	06T25278Y22	RES,RK 474J 1/16 -CP
R042	06T25277Y57	RES,RK 102J 1/16 -CP
R101	06T25277Y90	RES,RK 243J 1/16 -CP
R102	06T25277Y69	RES,RK 332J 1/16 -CP
R104	06T75432W50	RES,RK JUMPER1/10-CP
R111	06T75434W22	RES,RK 2R2J 1/4 -CP
R112	06T75434W22	RES,RK 2R2J 1/4 -CP
R113	06T75433W74	RES,RK 113J 1/4 -CP
R114	06T75433W51	RES,RK 122J 1/4 -CP
R115	06T25277Y97	RES,RK 473J 1/16 -CP
R116	06T75432W50	RES,RK JUMPER1/10-CP
R117	06T75432W50	RES,RK JUMPER1/10-CP
R133	06T75432W50	RES,RK JUMPER1/10-CP
R134	06T25279Y04	RES,RK JUMPER1/16-CP
R143	06T75434W26	RES,RK JUMPER 1/4-CP
R144	06T75434W26	RES,RK JUMPER 1/4-CP
R170	06T75433W25	RES,RK 101J 1/4 -CP
R171	06T75433W43	RES,RK 561J 1/4 -CP
R172	06T75433W43	RES,RK 561J 1/4 -CP
R173	06S15593Y65	RES,RK 472F 1/10 -CP
R174	06S15593Y81	RES,RK 223F 1/10 -CP
R175	06T25278Y22	RES,RK 474J 1/16 -CP
R201	06T25277Y90	RES,RK 243J 1/16 -CP
R203	06T25277Y95	RES,RK 393J 1/16 -CP
R204	06T25277Y65	RES,RK 222J 1/16 -CP
R206	06T25278Y22	RES,RK 474J 1/16 -CP
R207	06T25277Y57	RES,RK 102J 1/16 -CP
R208	06T25277Y57	RES,RK 102J 1/16 -CP
R209	06T25277Y97	RES,RK 473J 1/16 -CP

Symbol No.	Part No.	Description
R210	06T25277Y97	RES,RK 473J 1/16 -CP
R215	06T25277Y77	RES,RK 682J 1/16 -CP
R220	06T25277Y81	RES,RK 103J 1/16 -CP
R222	06T25277Y58	RES,RK 112J 1/16 -CP
R223	06T25277Y58	RES,RK 112J 1/16 -CP
R224	06T25277Y58	RES,RK 112J 1/16 -CP
R225	06T25277Y58	RES,RK 112J 1/16 -CP
R231	06T25277Y88	RES,RK 203J 1/16 -CP
R232	06T25277Y88	RES,RK 203J 1/16 -CP
R233	06T25277Y88	RES,RK 203J 1/16 -CP
R234	06T25277Y88	RES,RK 203J 1/16 -CP
R235	06T25277Y81	RES,RK 103J 1/16 -CP
R236	06T25277Y81	RES,RK 103J 1/16 -CP
R237	06T25277Y81	RES,RK 103J 1/16 -CP
R256	06T25277Y89	RES,RK 223J 1/16 -CP
R257	06T25277Y97	RES,RK 473J 1/16 -CP
R280	06T25277Y57	RES,RK 102J 1/16 -CP
R281	06T25278Y11	RES,RK 164J 1/16 -CP
R282	06T25278Y16	RES,RK 274J 1/16 -CP
R284	06T25279Y04	RES,RK JUMPER1/16-CP
R301	06T25277Y81	RES,RK 103J 1/16 -CP
R302	06T75433W90	RES,RK 513J 1/4 -CP
R304	06T75434W19	RES,RK 754J 1/4 -CP
R311	06T25278Y06	RES,RK 104J 1/16 -CP
R312	06T25278Y06	RES,RK 104J 1/16 -CP
R313	06T25277Y84	RES,RK 133J 1/16 -CP
R314	06T25277Y84	RES,RK 133J 1/16 -CP
R315	06T25277Y89	RES,RK 223J 1/16 -CP
R316	06T25277Y89	RES,RK 223J 1/16 -CP
R321	06T25277Y96	RES,RK 433J 1/16 -CP
R322	06T25277Y96	RES,RK 433J 1/16 -CP
R323	06T75431W43	RES,RK 221J 1/10 -CP
R324	06T75431W43	RES,RK 221J 1/10 -CP
R325	06T75431W35	RES,RK 101J 1/10 -CP
R326	06T75431W35	RES,RK 101J 1/10 -CP
R341	06T25278Y06	RES,RK 104J 1/16 -CP
R342	06T25278Y06	RES,RK 104J 1/16 -CP
R343	06T25277Y84	RES,RK 133J 1/16 -CP
R344	06T25277Y84	RES,RK 133J 1/16 -CP
R345	06T25277Y89	RES,RK 223J 1/16 -CP
R346	06T25277Y89	RES,RK 223J 1/16 -CP
R347	06T25277Y84	RES,RK 133J 1/16 -CP
R348	06T25277Y84	RES,RK 133J 1/16 -CP
R349	06T25277Y89	RES,RK 223J 1/16 -CP
R350	06T25277Y89	RES,RK 223J 1/16 -CP
R351	06T25277Y96	RES,RK 433J 1/16 -CP
R352	06T25277Y96	RES,RK 433J 1/16 -CP
R353	06T75431W43	RES,RK 221J 1/10 -CP
R354	06T75431W43	RES,RK 221J 1/10 -CP

Symbol No.	Part No.	Description
R355	06T75431W35	RES,RK 101J 1/10 -CP
R356	06T75431W35	RES,RK 101J 1/10 -CP
R361	06T25278Y06	RES,RK 104J 1/16 -CP
R362	06T25278Y06	RES,RK 104J 1/16 -CP
R363	06T25277Y96	RES,RK 433J 1/16 -CP
R364	06T25277Y96	RES,RK 433J 1/16 -CP
R365	06T75431W43	RES,RK 221J 1/10 -CP
R367	06T75431W35	RES,RK 101J 1/10 -CP
R368	06T75431W43	RES,RK 221J 1/10 -CP
R370	06T75431W35	RES,RK 101J 1/10 -CP
R371	06T25277Y75	RES,RK 562J 1/16 -CP
R372	06T25277Y75	RES,RK 562J 1/16 -CP
R373	06T25277Y75	RES,RK 562J 1/16 -CP
R374	06T25277Y75	RES,RK 562J 1/16 -CP
R375	06T25277Y75	RES,RK 562J 1/16 -CP
R376	06T25277Y75	RES,RK 562J 1/16 -CP
R381	06T25277Y98	RES,RK 513J 1/16 -CP
R382	06T25277Y98	RES,RK 513J 1/16 -CP
R385	06T25277Y41	RES,RK 221J 1/16 -CP
R386	06T25277Y41	RES,RK 221J 1/16 -CP
R389	06T25277Y41	RES,RK 221J 1/16 -CP
R390	06T25277Y41	RES,RK 221J 1/16 -CP
R500	06T75431W59	RES,RK 102J 1/10 -CP
R501	06T75431W59	RES,RK 102J 1/10 -CP
R502	06T75431W59	RES,RK 102J 1/10 -CP
R503	06T75431W59	RES,RK 102J 1/10 -CP
R504	06T75431W59	RES,RK 102J 1/10 -CP
R505	06T75431W59	RES,RK 102J 1/10 -CP
R506	06T75431W59	RES,RK 102J 1/10 -CP
R507	06T75431W59	RES,RK 102J 1/10 -CP
R508	06T25278Y23	RES,RK 514J 1/16 -CP
R509	06T25278Y27	RES,RK 754J 1/16 -CP
R510	06S15593Y53	RES,RK 152F 1/10 -CP
R511	06T75431W59	RES,RK 102J 1/10 -CP
R512	06T25277Y57	RES,RK 102J 1/16 -CP
R513	06T25277Y81	RES,RK 103J 1/16 -CP
R514	06T25277Y57	RES,RK 102J 1/16 -CP
R515	06T25277Y57	RES,RK 102J 1/16 -CP
R516	06T25277Y57	RES,RK 102J 1/16 -CP
R517	06T25277Y57	RES,RK 102J 1/16 -CP
R519	06T25277Y83	RES,RK 123J 1/16 -CP
R520	06T25278Y06	RES,RK 104J 1/16 -CP
R521	06T75432W50	RES,RK JUMPER1/10-CP
R522	06T25277Y57	RES,RK 102J 1/16 -CP
R523	06T25277Y57	RES,RK 102J 1/16 -CP
R524	06T25277Y57	RES,RK 102J 1/16 -CP
R525	06T75434W14	RES,RK 474J 1/4 -CP
R526	06S15593Y55	RES,RK 182F 1/10 -CP
R529	06T25277Y97	RES,RK 473J 1/16 -CP

Symbol No.	Part No.	Description
R530	06T25277Y97	RES,RK 473J 1/16 -CP
R531	06T75432W50	RES,RK JUMPER1/10-CP
R532	06T75432W50	RES,RK JUMPER1/10-CP
R533	06T25277Y57	RES,RK 102J 1/16 -CP
R534	06T25277Y57	RES,RK 102J 1/16 -CP
R535	06T25277Y57	RES,RK 102J 1/16 -CP
R536	06T25277Y81	RES,RK 103J 1/16 -CP
R537	06T25277Y81	RES,RK 103J 1/16 -CP
R541	06T25277Y57	RES,RK 102J 1/16 -CP
R542	06T25277Y77	RES,RK 682J 1/16 -CP
R543	06T25277Y81	RES,RK 103J 1/16 -CP
R544	06T25277Y89	RES,RK 223J 1/16 -CP
R549	06T25277Y57	RES,RK 102J 1/16 -CP
R550	06T25277Y89	RES,RK 223J 1/16 -CP
R551	06T25277Y73	RES,RK 472J 1/16 -CP
R552	06T25277Y57	RES,RK 102J 1/16 -CP
R553	06T25277Y89	RES,RK 223J 1/16 -CP
R554	06T25277Y81	RES,RK 103J 1/16 -CP
R555	06T25277Y81	RES,RK 103J 1/16 -CP
R559	06T25277Y81	RES,RK 103J 1/16 -CP
R560	06T25277Y89	RES,RK 223J 1/16 -CP
R561	06T75433W33	RES,RK 221J 1/4 -CP
R562	06T25277Y89	RES,RK 223J 1/16 -CP
R563	06T25277Y89	RES,RK 223J 1/16 -CP
R571	06T25277Y57	RES,RK 102J 1/16 -CP
R572	06T25277Y57	RES,RK 102J 1/16 -CP
R573	06T25277Y57	RES,RK 102J 1/16 -CP
R580	06T25277Y97	RES,RK 473J 1/16 -CP
R582	06T25277Y57	RES,RK 102J 1/16 -CP
R592	06T25277Y57	RES,RK 102J 1/16 -CP
R599	06T25277Y97	RES,RK 473J 1/16 -CP
R601	06T75433W73	RES,RK 103J 1/4 -CP
R602	06T25277Y97	RES,RK 473J 1/16 -CP
R603	06T75433W73	RES,RK 103J 1/4 -CP
R604	06T25277Y81	RES,RK 103J 1/16 -CP
R605	06T75433W49	RES,RK 102J 1/4 -CP
R606	06T75431W83	RES,RK 103J 1/10 -CP
R607	06T75433W25	RES,RK 101J 1/4 -CP
R608	06T25277Y65	RES,RK 222J 1/16 -CP
R609	06T25277Y69	RES,RK 332J 1/16 -CP
R610	06T25277Y81	RES,RK 103J 1/16 -CP
R611	06T25277Y89	RES,RK 223J 1/16 -CP
R612	06T25277Y57	RES,RK 102J 1/16 -CP
R613	06T75433W13	RES,RK 33RJ 1/4 -CP
R614	06T75433W13	RES,RK 33RJ 1/4 -CP
R615	06T75433W13	RES,RK 33RJ 1/4 -CP
R616	06T75433W13	RES,RK 33RJ 1/4 -CP
R617	06T75433W13	RES,RK 33RJ 1/4 -CP
R618	06T75433W13	RES,RK 33RJ 1/4 -CP

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Symbol No.	Part No.	Description
R619	06T25277Y97	RES,RK 473J 1/16 -CP
R620	06T25277Y97	RES,RK 473J 1/16 -CP
R621	06T25277Y89	RES,RK 223J 1/16 -CP
R622	06T25277Y89	RES,RK 223J 1/16 -CP
R623	06T25277Y89	RES,RK 223J 1/16 -CP
R655	06T75433W39	RES,RK 391J 1/4 -CP
R801	06T75433W82	RES,RK 243J 1/4 -CP
R802	06T25590Y02	RES,RS 561J 1W -
R804	06T25278Y23	RES,RK 514J 1/16 -CP
R806	06T75433W65	RES,RK 472J 1/4 -CP
R807	06T75433W65	RES,RK 472J 1/4 -CP
R808	06T25277Y57	RES,RK 102J 1/16 -CP
R809	06T25277Y81	RES,RK 103J 1/16 -CP
R811	06T75431W59	RES,RK 102J 1/10 -CP
R812	06T25277Y99	RES,RK 563J 1/16 -CP
R813	06T75433W31	RES,RK 181J 1/4 -CP
R814	06T75434W22	RES,RK 2R2J 1/4 -CP
R815	06T75433W33	RES,RK 221J 1/4 -CP
R817	06T75434W22	RES,RK 2R2J 1/4 -CP
R818	06T75434W22	RES,RK 2R2J 1/4 -CP
R819	06T75433W47	RES,RK 821J 1/4 -CP
R824	06T75433W54	RES,RK 162J 1/4 -CP
R826	06T25277Y94	RES,RK 363J 1/16 -CP
R831	06T25277Y69	RES,RK 332J 1/16 -CP
R832	06T75433W49	RES,RK 102J 1/4 -CP
R833	06T75433W73	RES,RK 103J 1/4 -CP
R837	06T75431W92	RES,RK 243J 1/10 -CP
R838	06T75433W55	RES,RK 182J 1/4 -CP
R839	06T75433W55	RES,RK 182J 1/4 -CP
R840	06T25590Y03	RES,RS 2R2J 1W -
R847	06T75431W83	RES,RK 103J 1/10 -CP
R850	06T25277Y61	RES,RK 152J 1/16 -CP
R851	06T25277Y65	RES,RK 222J 1/16 -CP
R853	06T25277Y65	RES,RK 222J 1/16 -CP
R854	06T25277Y61	RES,RK 152J 1/16 -CP
R855	06T75433W01	RES,RK 10RJ 1/4 -CP
R856	06T75433W15	RES,RK 39RJ 1/4 -CP
R857	06T75433W15	RES,RK 39RJ 1/4 -CP
R858	06T75433W15	RES,RK 39RJ 1/4 -CP
R859	06T75433W15	RES,RK 39RJ 1/4 -CP
R860	06T25277Y59	RES,RK 122J 1/16 -CP
R861	06T25277Y73	RES,RK 472J 1/16 -CP
R862	06T25277Y77	RES,RK 682J 1/16 -CP
R863	06T25277Y81	RES,RK 103J 1/16 -CP
R864	06T25277Y81	RES,RK 103J 1/16 -CP
R865	06T25277Y81	RES,RK 103J 1/16 -CP
R866	06T25277Y81	RES,RK 103J 1/16 -CP
R867	06T25277Y77	RES,RK 682J 1/16 -CP
R868	06T25277Y84	RES,RK 133J 1/16 -CP

Symbol No.	Part No.	Description
R869	06T25277Y85	RES,RK 153J 1/16 -CP
R870	06T25277Y83	RES,RK 123J 1/16 -CP
R872	06T75433W35	RES,RK 271J 1/4 -CP
R873	06T75433W35	RES,RK 271J 1/4 -CP
R874	06T25277Y90	RES,RK 243J 1/16 -CP
R875	06T75433W41	RES,RK 471J 1/4 -CP
R876	06S15593Y55	RES,RK 182F 1/10 -CP
R877	06S15593Y67	RES,RK 562F 1/10 -CP
R878	06T25277Y97	RES,RK 473J 1/16 -CP
R879	06T25277Y81	RES,RK 103J 1/16 -CP
R881	06T75434W22	RES,RK 2R2J 1/4 -CP
R882	06T75431W83	RES,RK 103J 1/10 -CP
R889	06T75432W50	RES,RK JUMPER1/10-CP
RA506	06S45591W06	RES,ARY MNR102J 4-CP
RA507	06S45591W06	RES,ARY MNR102J 4-CP
RA508	06S45591W06	RES,ARY MNR102J 4-CP
RA510	06S45591W06	RES,ARY MNR102J 4-CP
RA511	06S45591W06	RES,ARY MNR102J 4-CP

Connectors

CB301	09T25436Y07	WTB,53253-0710 -DB
CB330	09T25436Y06	WTB,53253-0610 -DB
CB331	09T25436Y03	WTB,53253-0310 -DB
CB501	09T45434W15	FFC,52271-1590 -ED
CB601	09T25436Y02	WTB,53253-0210 -DB
CB802	09T25738Y05	WTB,53254-0510 -DB
CB803	09T25738Y03	WTB,53254-0310 -DB
CH101	09T25684Y22	FFC,SLW22R-1C7 -DB

Front P.W.Board

IC's

IC401	51T85152W01	LC75883 -QT
IC402	51T15186Y01	LC75823W -QT
IC403	51T35614Y01	SBX3050-02 -NE5

Transistors

Q401	48T63788F04	TR ,CP.2SD1328-T -TX
Q403	48T63788F04	TR ,CP.2SD1328-T -TX
Q404	48T64222F01	TR ,UN2211 10-10 -TX
Q405	48T64222F01	TR ,UN2211 10-10 -TX
Q406	48T63788F04	TR ,CP.2SD1328-T -TX

Symbol No.	Part No.	Description
Q407	48T73023F01	TR ,2SD874A -E2
Diodes		
D401	48T81063F01	DIO,CP.MA159 / TX-CP
D402	48T94471F01	TR , IMN10
D405	48T85357W01	DIO,1PS226 -CP
D406	48T85357W01	DIO,1PS226 -CP
D407	48T85357W01	DIO,1PS226 -CP
D408	48T85357W01	DIO,1PS226 -CP
D409	48T85357W01	DIO,1PS226 -CP
D450	48T44813F03	DIO,MA165 -R5
ZD401	48T84735F21	DIO,ZEN.MA3082-H -CP
ZD402	48T15541Y23	DIO,ZEN MAZS180 -CP
ZD403	48T15541Y23	DIO,ZEN MAZS180 -CP
ZD404	48T15541Y23	DIO,ZEN MAZS180 -CP
ZD407	48T15541Y23	DIO,ZEN MAZS180 -CP
ZD408	48T62934F26	DIO,ZEN.RD6.2MB3 -CP
ZD409	48T62934F26	DIO,ZEN.RD6.2MB3 -CP
LED's		
LD401	48T25534Y02	LED,RED BR1111C -CP
LD402	48T25534Y10	LED,YEL FY1111C -CP
LD403	48T25534Y10	LED,YEL FY1111C -CP
LD404	48T25534Y10	LED,YEL FY1111C -CP
LD416	48T25534Y09	LED,BLU DB1111C10-CP
LD417	48T25534Y09	LED,BLU DB1111C10-CP
LD422	48T25534Y09	LED,BLU DB1111C10-CP
LD423	48T25534Y09	LED,BLU DB1111C10-CP
LD426	48T45280Y01	LED,WHT NSCWS405T-E2
LD427	48T45280Y01	LED,WHT NSCWS405T-E2
LD428	48T45280Y01	LED,WHT NSCWS405T-E2
LD429	48T45280Y01	LED,WHT NSCWS405T-E2
LD430	48T45280Y01	LED,WHT NSCWS405T-E2
LD431	48T45280Y01	LED,WHT NSCWS405T-E2
LD432	48T25534Y01	LED,GRN BG1111C -CP
LD433	48T25534Y01	LED,GRN BG1111C -CP
LD434	48T25534Y09	LED,BLU DB1111C10-CP
LD435	48T25534Y09	LED,BLU DB1111C10-CP
LD440	48T25534Y01	LED,GRN BG1111C -CP
LD441	48T25534Y01	LED,GRN BG1111C -CP
LD442	48T25534Y01	LED,GRN BG1111C -CP
LD443	48T25534Y01	LED,GRN BG1111C -CP
LD444	48T25534Y01	LED,GRN BG1111C -CP
LD445	48T25534Y01	LED,GRN BG1111C -CP

Symbol No.	Part No.	Description
Switches		
SW401	40T55656W06	SW,TACT SKQMAJ001-E2(SOURCE/POWER)
SW402	40T55656W06	SW,TACT SKQMAJ001-E2(FWD/UP)
SW403	40T55656W06	SW,TACT SKQMAJ001-E2(X-OVER)
SW404	40T25004Y01	SW,TACT SKQYPB -E2(3/PTY)
SW405	40T55656W06	SW,TACT SKQMAJ001-E2 (PLAY/PAUSE/TUNE/A.ME)
SW406	40T25004Y01	SW,TACT SKQYPB -E2(TITLE)
SW407	40T25004Y01	SW,TACT SKQYPB -E2 (4/R.TEXT/M.I.X.)
SW408	40T55656W06	SW,TACT SKQMAJ001-E2(BAND/T.S.M.)
SW409	40T55656W06	SW,TACT SKQMAJ001-E2(T.INFO)
SW410	40T25004Y01	SW,TACT SKQYPB -E2(F/SETUP)
SW411	40T55656W06	SW,TACT SKQMAJ001-E2(DISP/B.OUT)
SW412	40T55656W06	SW,TACT SKQMAJ001-E2(B-FWD/DEFEAT)
SW413	40T25004Y01	SW,TACT SKQYPB -E2(1/AF)
SW414	40T25004Y01	SW,TACT SKQYPB -E2(5/REPEAT)
SW415	40T25004Y01	SW,TACT SKQYPB -E2(EJECT)
SW416	40T55656W06	SW,TACT SKQMAJ001-E2(BWD/DN)
SW417	40T55656W06	SW,TACT SKQMAJ001-E2(CENTERf)
SW418	40T25004Y01	SW,TACT SKQYPB -E2(2/P.PTY)
SW419	40T25004Y01	SW,TACT SKQYPB -E2(6/SCAN)
SW420	40T25004Y01	SW,TACT SKQYPB -E2(ANGLE▲▼)
SW422	40T55656W06	SW,TACT SKQMAJ001-E2(RESET)
Lamps		
PL401	65T35324Y06	LAMP,BLU 6-80 -E5
PL402	65T35324Y05	LAMP,GRN 6-80 -E5
PL403	65T35324Y05	LAMP,GRN 6-80 -E5
PL404	65T35324Y05	LAMP,GRN 6-80 -E5
Capacitors		
C401	08S53332F62	CAP,CP .473-K-B -CP
C402	08S82122F61	CAP,CER.102J-CH1H-CP
C403	08T15399W03	CAP,CER.473K-B1H -CP
C404	08T15399W03	CAP,CER.473K-B1H -CP
C405	08S53332F62	CAP,CP .473-K-B -CP
C406	08T15399W03	CAP,CER.473K-B1H -CP
C407	08T15399W03	CAP,CER.473K-B1H -CP
C408	08S82122F57	CAP,CER.681J-CH1H-CP
C409	08T15349Y01	CAP,CER 105K-B1A -CP
C411	08S45677W42	CAP,CER.181J-CH1H-CP
C412	08S45677W42	CAP,CER.181J-CH1H-CP
C413	08S45677W42	CAP,CER.181J-CH1H-CP
C414	08S45677W42	CAP,CER.181J-CH1H-CP

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Symbol No.	Part No.	Description
C415	08S45677W42	CAP,CER.181J-CH1H-CP
C416	08S45677W42	CAP,CER.181J-CH1H-CP
C417	08T15399W01	CAP,CER.223K-B1H -CP
E402	23S55311W42	CAP,TAN.4R7-1D-B -CP

Resistors

Symbol No.	Part No.	Description
R400	06T75433W75	RES,RK 123J 1/4 -CP
R401	06T75431W59	RES,RK 102J 1/10 -CP
R402	06T75431W59	RES,RK 102J 1/10 -CP
R403	06T75431W59	RES,RK 102J 1/10 -CP
R404	06T75431W59	RES,RK 102J 1/10 -CP
R405	06T75431W47	RES,RK 331J 1/10 -CP
R406	06T75431W59	RES,RK 102J 1/10 -CP
R407	06T75431W59	RES,RK 102J 1/10 -CP
R409	06T75433W03	RES,RK 12RJ 1/4 -CP
R410	06T75433W09	RES,RK 22RJ 1/4 -CP
R414	06T75433W45	RES,RK 681J 1/4 -CP
R416	06T75433W45	RES,RK 681J 1/4 -CP
R417	06T75433W25	RES,RK 101J 1/4 -CP
R418	06T75433W25	RES,RK 101J 1/4 -CP
R419	06T75433W25	RES,RK 101J 1/4 -CP
R420	06T75431W67	RES,RK 222J 1/10 -CP
R422	06T75433W21	RES,RK 68RJ 1/4 -CP
R423	06T75431W67	RES,RK 222J 1/10 -CP
R427	06T25277Y96	RES,RK 433J 1/16 -CP
R429	06T25277Y57	RES,RK 102J 1/16 -CP
R430	06T75434W26	RES,RK JUMPER 1/4-CP
R431	06T75432W50	RES,RK JUMPER1/10-CP
R432	06T75434W26	RES,RK JUMPER 1/4-CP
R433	06T75434W26	RES,RK JUMPER 1/4-CP
R438	06T25277Y57	RES,RK 102J 1/16 -CP
R439	06T25277Y96	RES,RK 433J 1/16 -CP
R443	06T75432W08	RES,RK 104J 1/10 -CP
R444	06T75431W75	RES,RK 472J 1/10 -CP
R446	06T75431W35	RES,RK 101J 1/10 -CP
R448	06T25277Y57	RES,RK 102J 1/16 -CP
R450	06T75433W32	RES,RK 201J 1/4 -CP
R451	06T75433W33	RES,RK 221J 1/4 -CP
R452	06T75433W49	RES,RK 102J 1/4 -CP
R454	06T75433W45	RES,RK 681J 1/4 -CP
R455	06T75433W45	RES,RK 681J 1/4 -CP
R456	06T75434W26	RES,RK JUMPER 1/4-CP
R468	06T75433W36	RES,RK 301J 1/4 -CP
R469	06T75433W36	RES,RK 301J 1/4 -CP
R470	06T75431W67	RES,RK 222J 1/10 -CP
R474	06T75433W01	RES,RK 10RJ 1/4 -CP
R475	06T75433W60	RES,RK 302J 1/4 -CP

Symbol No.	Part No.	Description
R476	06T75433W41	RES,RK 471J 1/4 -CP
R477	06T75432W50	RES,RK JUMPER1/10-CP
RA401	06S45591W06	RES,ARY MNR102J 4-CP
RA402	06S45591W06	RES,ARY MNR102J 4-CP
RA403	06S45591W06	RES,ARY MNR102J 4-CP
RA404	06S45591W06	RES,ARY MNR102J 4-CP

DC/DC Converter P.W.Board

IC's

Symbol No.	Part No.	Description
IC901	51T45446Y01	NJM78L09A-T3 -RD
IC902	51T45447Y01	NJM79L09A-T3 -RD

Transistors

Symbol No.	Part No.	Description
Q901	48T69176F02	TR ,2SC3421-Y
Q902	48T55057W01	TR,2SD1857-PQ-TV2-RD
Q903	48T55057W01	TR,2SD1857-PQ-TV2-RD

Diodes

Symbol No.	Part No.	Description
SD901	48T73079F04	DIO,1SS82 -R5
SD902	48T73079F04	DIO,1SS82 -R5
SD903	48T73079F04	DIO,1SS82 -R5
SD904	48T73079F04	DIO,1SS82 -R5
ZD901	48T25766W25	DIO,ZEN.HZS 9C2L -R5

Coil

Symbol No.	Part No.	Description
L901	24T95399W21	IND,RCH-855 471K +

Transformer

Symbol No.	Part No.	Description
T901	25T95401W01	TRANS,LC-10 -DB

Capacitors

Symbol No.	Part No.	Description
C902	08T55390W22	CAP,TF 273J-1H -R5
E901	23T45365W05	CAP,SME 101-1E -R2
E902	23T45365W06	CAP,SME 33R-1V -R2
E903	23T45365W02	CAP,SME 101-1A -R2
E904	23T45365W05	CAP,SME 101-1E -R2

Symbol No.	Part No.	Description
E905	23T45365W05	CAP, SME 101-1E -R2
E906	23T45365W02	CAP, SME 101-1A -R2
E907	23T45365W02	CAP, SME 101-1A -R2
Resistors		
R901	06T75433W33	RES, RK 221J 1/4 -CP
R903	06T25278Y26	RES, RK 684J 1/16 -CP
R906	06T25278Y24	RES, RK 564J 1/16 -CP
R907	06T25278Y24	RES, RK 564J 1/16 -CP
R918	06T75433W69	RES, RK 682J 1/4 -CP
Connector		
CB911	09T25436Y08	WTB, 53253-0810 -DB
Miscellaneous		
ANT001	01T15513W30	ASSY, ANT CABLE 7865R
CB801	09T35473Y16	WTB, F169B001-16 -DB
CH401	09T25444Y15	BTB, 55323-1511 -B
CH501	01T35001Y02	ASSY, UNIZON CONN 71A
CH601	01T01885K01	ASSY, CONN 2P
DIN802	01T35496Y04	ASSY, DIN 7876RB
ET330	01T35497Y03	ASSY, WIRE RCA7965A0 (FRONT OUT/REAR OUT/SUB-W)
JK601	09T95460W01	JAC, HSJ0857-01-1010+
LCD401	65T45245Y01	LCD, MF7977A0
M601	59T65085W01	MOTOR, LOAD FF-050SK (NOSE MOTOR/7V-370mA)
SW421	40T45266Y01	ENC, EC11E15245 -B (VOLUME/MODE·BBE)
SW601	40T15494Y07	SW, DETCT SPVG21 -E6 (NOSE CLOSE DET)
SW602	40T15494Y08	SW, DETCT SPVG11 -E6 (NOSE OPEN DET)

Symbol No.	Part No.	Description

Cabinet Assembly Parts List

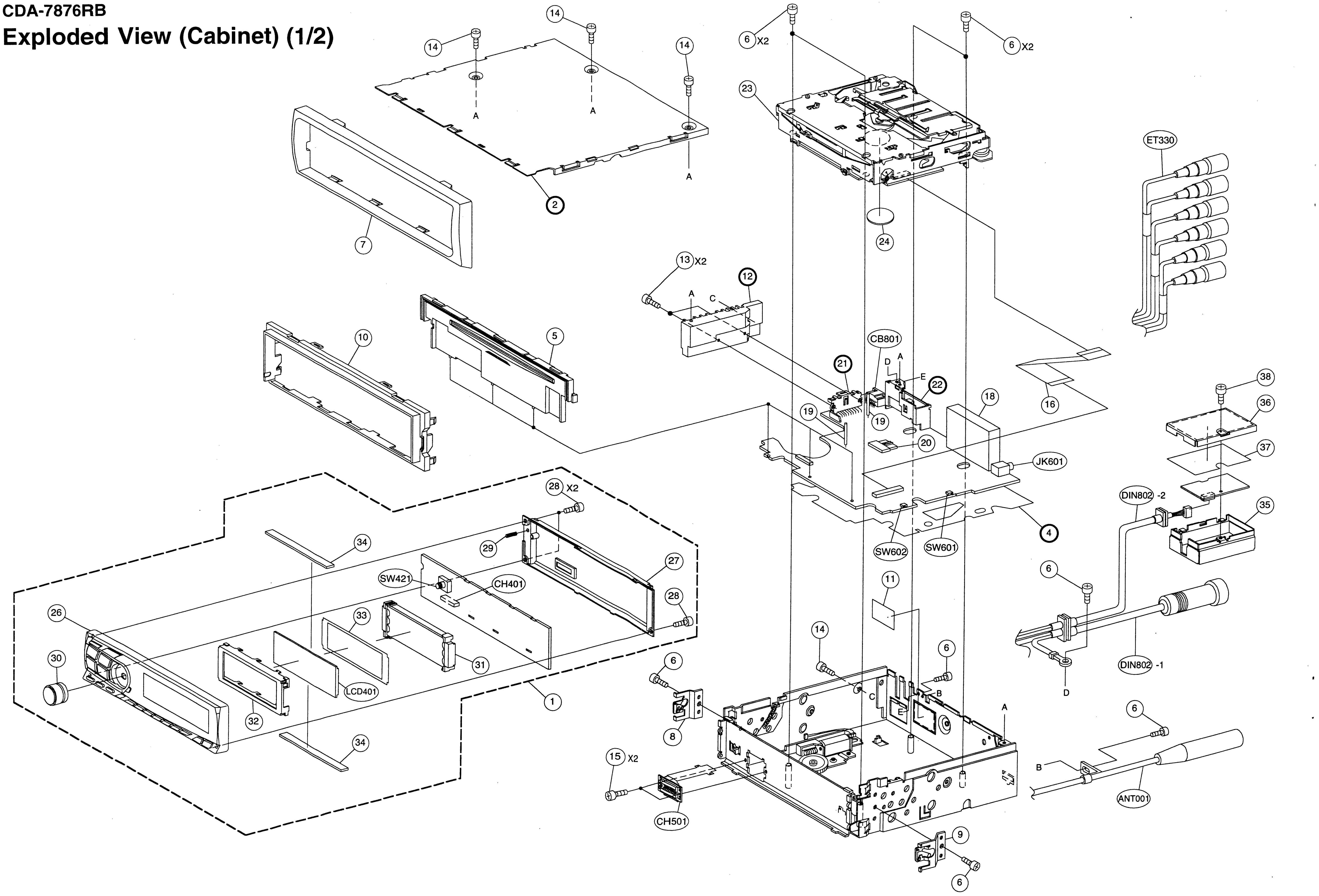
NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
1		01V46100Y01	ASSY, NOSE UNIT 76RB
5		13C21370Y02	NOSE, BASE (CD) ASSY
6		03S44205G07	SCR, T-TITE M2. 6X5
7		33C01797K03	FACE, PLATE
8		07D91595W01	BKT, SIDE ASSY
9		07D91595W02	BKT, SIDE (R) ASSY
10		13D21372Y01	NOSE, BASE COVER
11		14S30726Y22	INS, SHEET
13		03S38013W05	SCR, T-TITE M2. 6X16
14		03S71677F02	SCR, T-TITE-B M2. 6X6
15		03S94385F77	SCR, NYLOK M1. 7X3
16		30T45473Y03	FFC, RLW0306-1A
18		77B30901Y01	MB4R9030, FM/AM UNIT (TU001)
19		09T84840F02	LUG, STYLE 32MM
20		36A70327W01	KNOB, SLIDE
23		81D31851Y01	DP23S07A, CD MECH
24		26A41622Y01	SHIELD, PLATE (CD)
26		13D01790K02	NOSE, PIECE ASSY (H)
27		13D40822Y02	NOSE, BOTTOM
28		03S68555F20	SCR, WAVE M1. 7X5
29		41A50111W10	SPRING, KNOB
30		36B40857Y02	KNOB, ROTALY ASSY (H)
31		15D01793K01	CASE, LCD ASSY
32		15B01794K01	COVER, LCD
33		26A41974Y01	REFLECTOR, SHEET
34		75T85248W13	RUBBER, ELECTRIC
35		15C11509Y01	CASE, DC-DC
36		15B11508Y01	COVER, DC-DC
37		14A20122Y01	INSULATOR, DC-DC
38		03S44205G29	SCR, T-TITE M2. 6X6
100		01C01750K01	ASSY, BKT F BASE
101		07B01757K01	BKT, SLIDER
102		07B01753K01	BKT, BASE L
103		07B01753K02	BKT, BASE R
104		07A01754K01	BKT, ARM (L)
105		07A01754K02	BKT, ARM (R)
106		07C01755K01	BKT, MOTOR
107		44B01846K01	GEAR, CLUTCH ASSY
108		44A01841K01	GEAR, SLIDER
109		44A01840K01	GEAR, WORM
110		41A22014Y01	SPRING, EXTENSION
111		03A20851Y02	SCR, SLIDER
112		03S68259F23	SCR, PWRLOCK M2X3
113		03S94385F13	SCR, NYLOCK M2. 6X3
114		03D40121T56	SCR, MECH (W/W) M2X4
115		04B41345P54	WASHER 1. 7X2. 1X0. 35

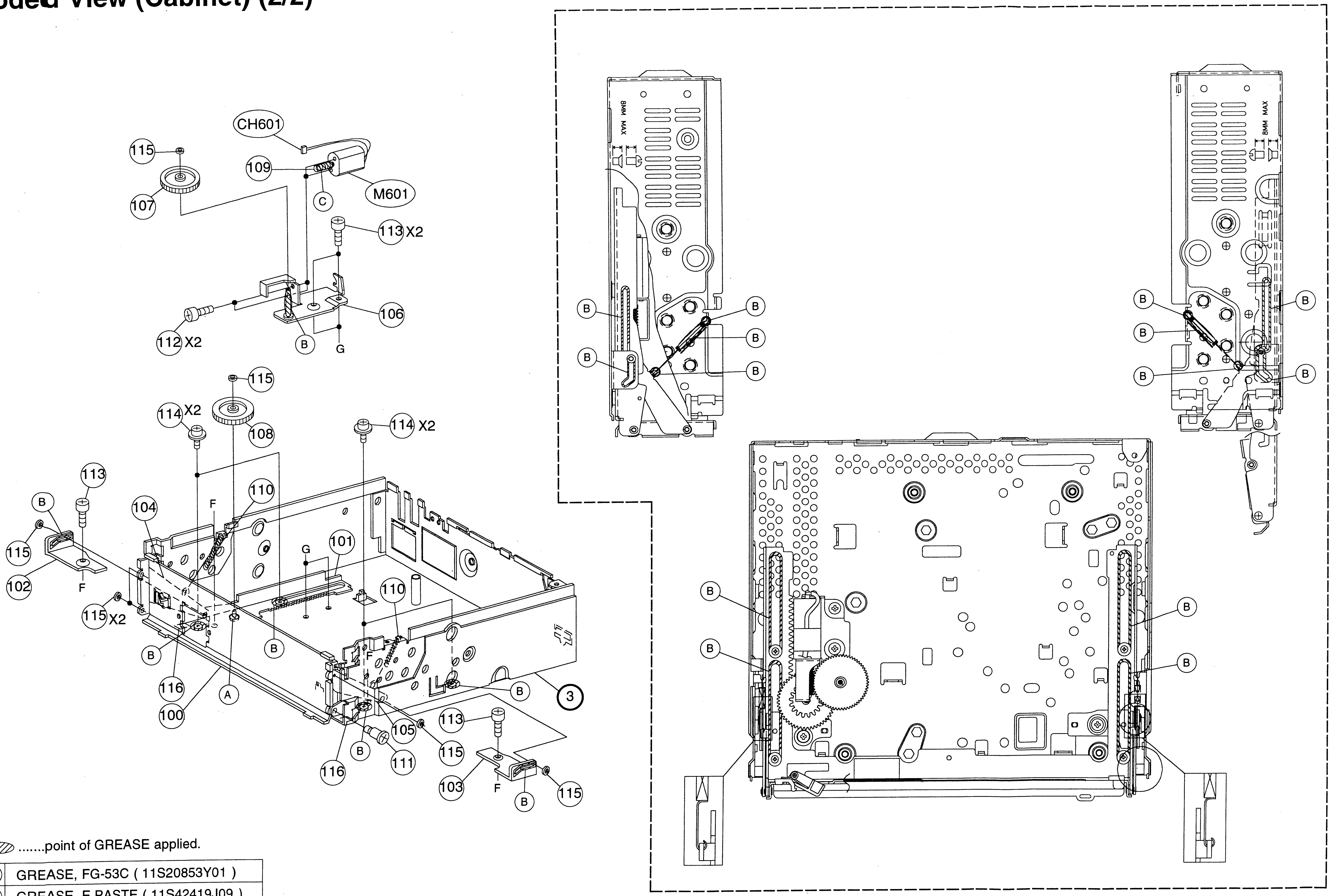
Symbol No.	Index	Part No.	Description

CDA-7876RB

Exploded View (Cabinet) (1/2)


14
14
14
14
6 X2
6 X2
A
A
A
2
7
23
24
ET330
13 X2
12
A
C
10
5
CB801
D
A
E
21
22
19
19
18
16
20
38
36
37
JK601
28 X2
29
27
34
SW421
CH401
28
4
SW602
SW601
DIN802 -2
35
11
6
26
33
31
30
LCD401
1
14
6
6
C
B
E
A
D
DIN802 -1
32
8
34
15 X2
CH501
6
B
ANT001
9
6
F

Exploded View (Cabinet) (2/2)


CH601
115
109
M601
107
C
113 X2
112 X2
106
B
G
115
114 X2
108
114 X2
113
B
110
104
F
101
G
115
102
F
110
115 X2
B
B
116
A
100
B
3
113
105
115
111
B
116
103
F
B
115
8MM MAX
8MM MAX
B
B
B
B
B
B
B
B
B
B
B
B
B
B
B

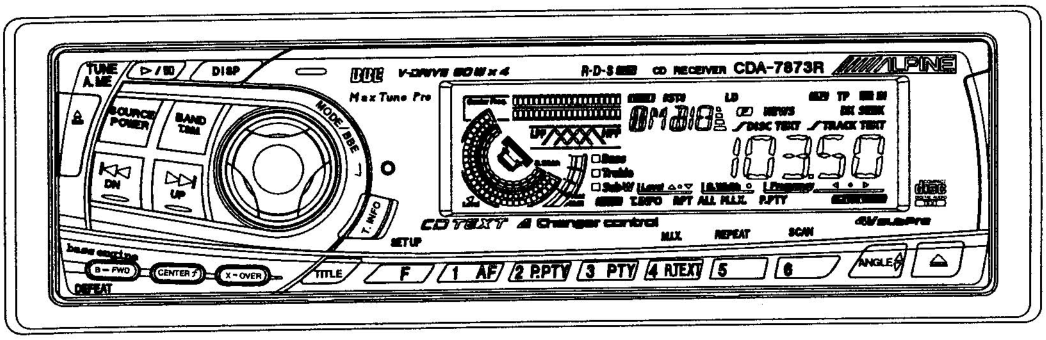
▨ ....point of GREASE applied.

Ⓐ	GREASE, FG-53C (11S20853Y01)
Ⓑ	GREASE, E PASTE (11S42419J09)
Ⓒ	GREASE SILICON (11S490487)

ALPINE

SERVICE MANUAL

FM/MW/LW/RDS CD Receiver


TUNE A.ME
▷/Ⅱ
DISP
SOURCE POWER
BAND TRM
DN
UP
MODE/BBE
T. INFO
BBE
V-DRIVE 60W x 4
Max Tune Pro
R-D-S
CD RECEIVER CDA-7873R
ALPINE
NEWS
DISC TEXT
TRACK TEXT
103.50
Bass
Treble
SubW
T.INFO
RPT ALL
M.I.X.
P.PTY
CD TEXT
Changer control
SETUP
M.I.X.
REPEAT
SCAN
base engine
B-FWD
CENTER
X-OVER
DEFEAT
TITLE
F
1 AF
2 P.PTY
3 PTY
4 R.TEXT
5
6
ANGLE

CDA-7873R

Contents

Packing Assembly Parts List 3
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Extension Cable 6
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Adjustment Locations 9
Block Diagram 10
Parts Layout on P.W.Boards and Wiring Diagram .... 11~20
Schematic Diagram .... 21~32
Terminal Voltage of IC/TR .... 33~41
Description of IC Terminal .... 42~47
Electrical Parts List .... 48~58
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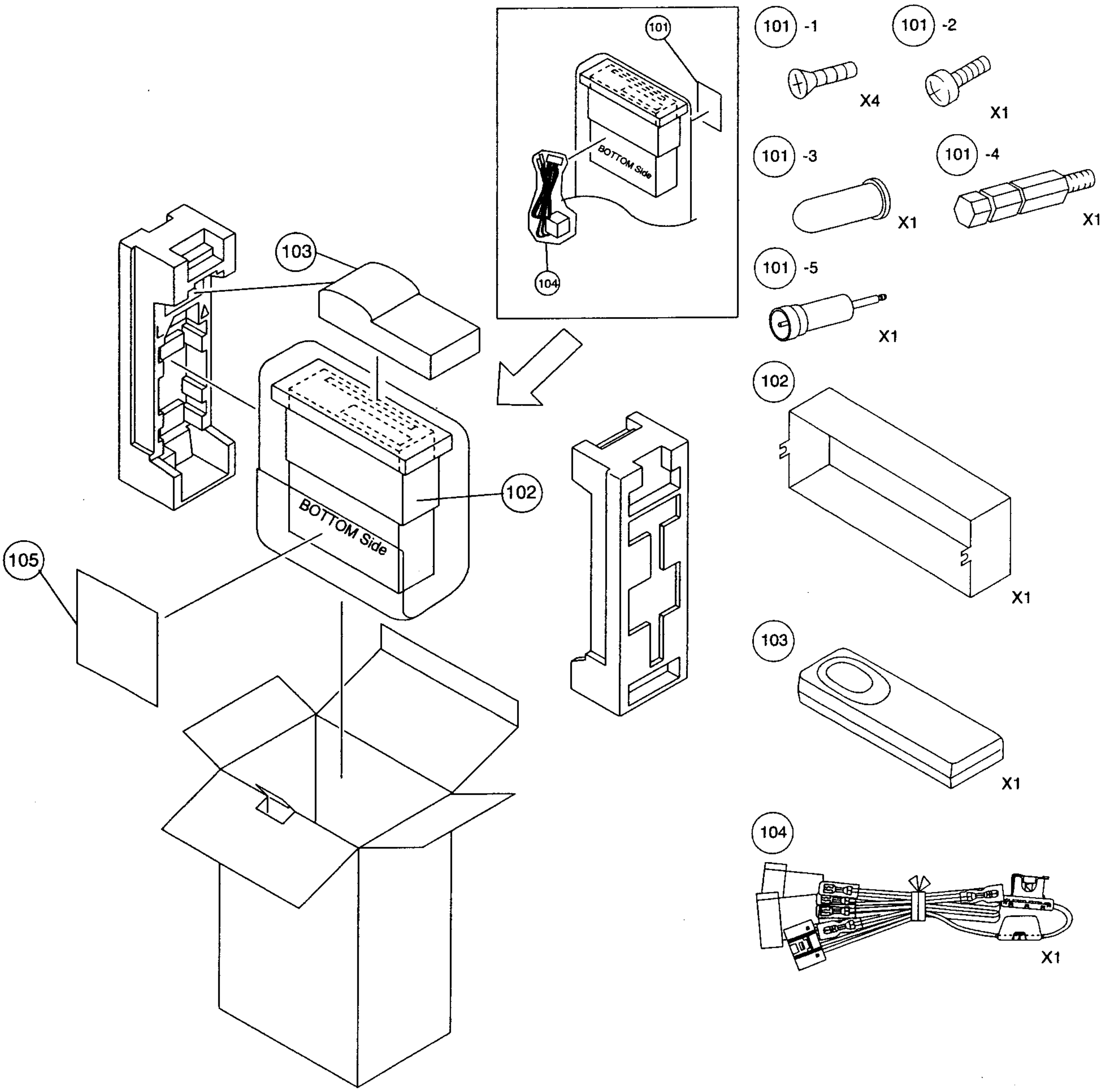
Exploded View (CD Deck Mechanism) (DP23S07A) 65, 66

NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Packing Assembly Parts List

Symbol No.	Part No.	Description
101-1	03S72235F13	SCR,MCH M5X8 FLAT
101-2	03S68555F26	SCR,WAVE M1.7X4
101-3	36A11113W01	CAP,RUBBER(A)
101-4	03A11112W01	BOLT,HEX.M5(A)
101-5	01T15394Y02	ANT,JASO-ISO
102	15D50406W01	CASE,INNER
103	15D01798K01	CARRYING,CASE
104	01T35536Y01	ASSY,WIRE ISO 65R0
105	68P01434K31	O/M AOEU AODN

Packing Method View


101
BOTTOM Side
104
103
102
BOTTOM Side
105
101 -1
X4
101 -2
X1
101 -3
X1
101 -4
X1
101 -5
X1
102
X1
103
X1
104
X1

Specifications

<FM RADIO>

Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.5~108MHz
Usable Sensitivity (Mono, 30dB S/N, at 98.1MHz)	17.2dBf
-3dB Limiting Sensitivity (at 98.1MHz)	21.2dBf
Residual Noise (Ref. 400Hz (narrow), at 98.1MHz)	25±10dB
S/N Ratio (at 98.1MHz)	Stereo : 55dB Mono : 60dB
Image Rejection (at 106.1MHz)	40dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 60dBμ, at 98.1MHz)	1%
Frequency Response (Ref. 400Hz, at 98.1MHz)	100Hz : 0±3dB 10kHz : -12±3dB
Stereo Separation (1kHz, at 98.1MHz)	20dB
PS Sensitivity (at 98.1MHz)	36.2dBf

<MW RADIO>

Intermediate Frequency	1st. : 10.7MHz 2nd. : 450kHz
Frequency Range	531~1,602kHz
Usable Sensitivity (20dB S/N, at 999kHz)	34dB
S/N Ratio (at 999kHz)	44dB
Image Rejection (at 1,404kHz)	50dB
IF Rejection (at 603kHz)	60dB
Distortion (at 999kHz)	1.5%
Frequency Response (Ref. 400Hz, at 999kHz)	100Hz : -3±4dB 4kHz : -11+6, -12dB

<LW RADIO>

Intermediate Frequency	1st. : 10.7MHz 2nd. : 450kHz
Frequency Range	153~281kHz
Usable Sensitivity (20dB S/N, at 216kHz)	42dB
S/N Ratio (at 216kHz)	44dB
Image Rejection (at 270kHz)	50dB
IF Rejection (at 162kHz)	60dB
Distortion (at 216kHz)	1.5%
Frequency Response (Ref. 400Hz, at 216kHz)	100Hz : -3±4dB 4kHz : -11+6, -12dB

<CD SECTION>

System	Optical (Compact Disc System)
Quantizing Bit Number	16bit Linear system
Channels	2 Channels
Channel Balance (1kHz)	0±3dB
Distortion (1kHz)	0.1%
Frequency Response (Ref. 1kHz)	17Hz : 0±3dB 127Hz : 0±2dB 10.007kHz : 0±2dB 19.997kHz : 0±4dB
S/N Ratio	95dB
Separation (1kHz)	55dB
De-Emphasis (Ref. 1kHz)	4kHz : -20±3dB 16kHz : -20±3dB

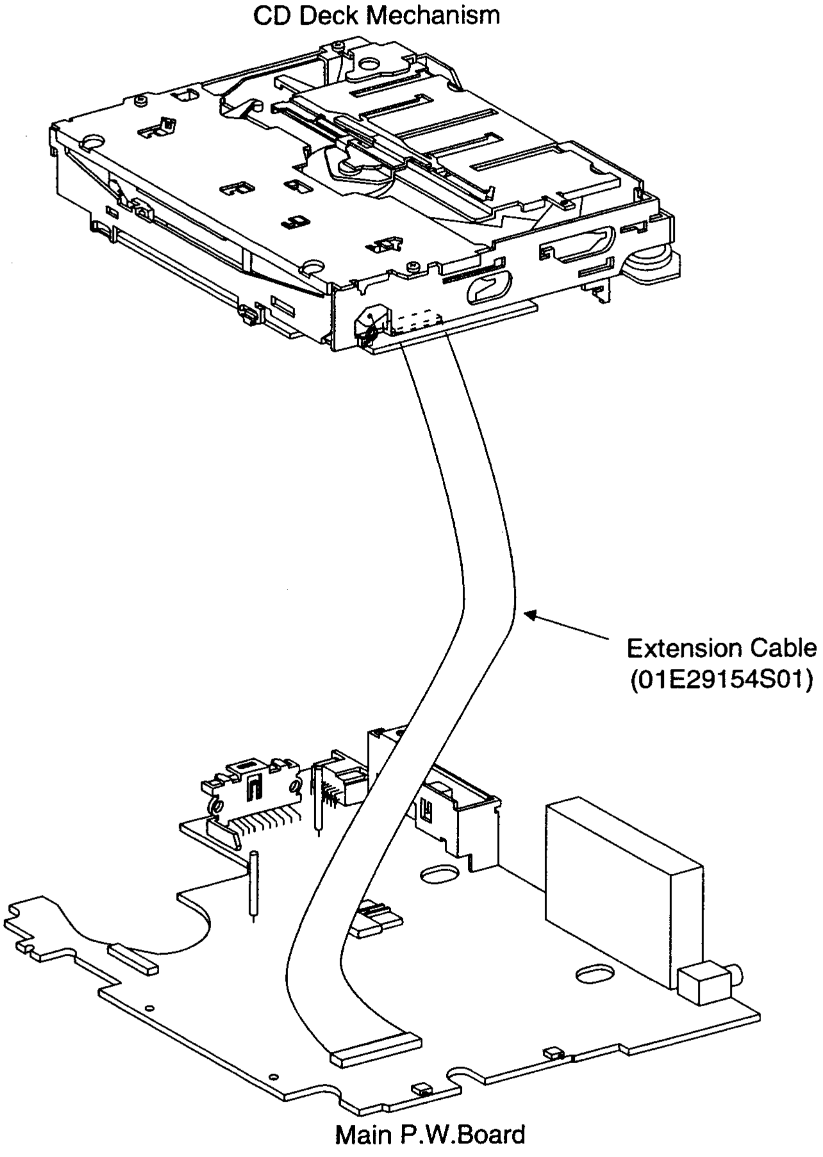
<GENERAL>

Power Supply	DC14.4V
Power Output (T.H.D. 10%, TCD-782 (0dB, 1kHz)) /Impedance	25W/ch/4ohm
Pre Output (T.H.D. 1%, TCD-782 (0dB, 1kHz)) /Impedance	2V±2.5dBV/10Kohm
SUB. W Output (T.H.D. 1%, TCD-782 (0dB, 1kHz), STEP +15) /Impedance	4V±2.5dBV/10Kohm
Dimensions (W×H×D)	Chassis : 178×50×158mm Nose : 188×58×24.5mm
Weight	1.5kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

Extension Cable

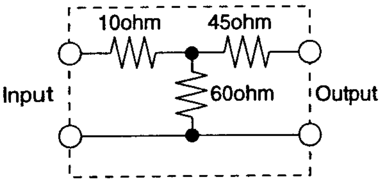
- When repairing or measuring the voltage of this unit, connect with the Extension Cable as shown in below.


CD Deck Mechanism
Extension Cable
(01E29154S01)
Main P.W.Board

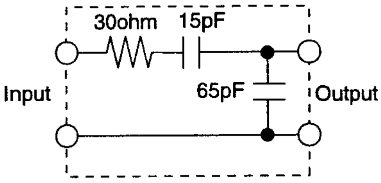
Adjustment Procedures

1. FM/AM SECTION

(1) Dummy Antenna Circuit


10ohm
45ohm
60ohm
Input
Output

For 50 ohm FM Signal Generator Figure 1


30ohm
15pF
65pF
Input
Output

For 50 ohm AM Signal Generator Figure 2

(2) Connections

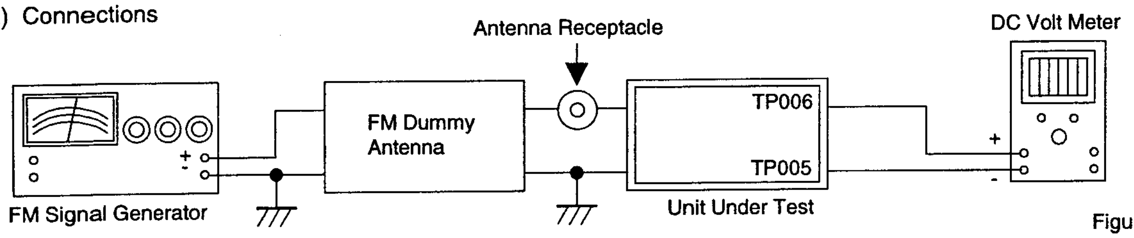

Antenna Receptacle
DC Volt Meter
FM Dummy Antenna
TP006
TP005
+
-
FM Signal Generator
Unit Under Test

Figure 3

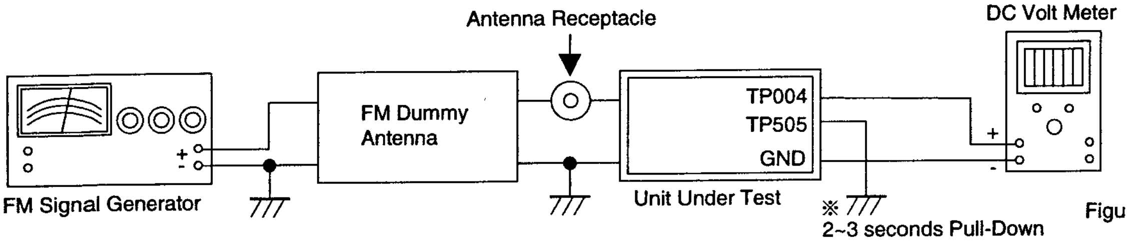

Antenna Receptacle
DC Volt Meter
FM Dummy Antenna
TP004
TP505
GND
+
-
FM Signal Generator
Unit Under Test
※
2~3 seconds Pull-Down

Figure 4

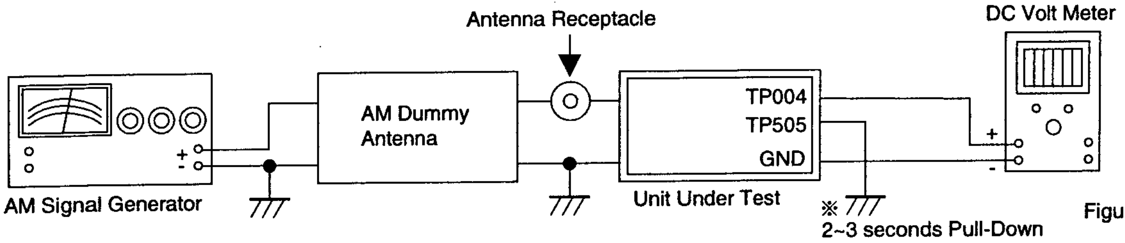

Antenna Receptacle
DC Volt Meter
AM Dummy Antenna
TP004
TP505
GND
+
-
AM Signal Generator
Unit Under Test
※
2~3 seconds Pull-Down

Figure 5

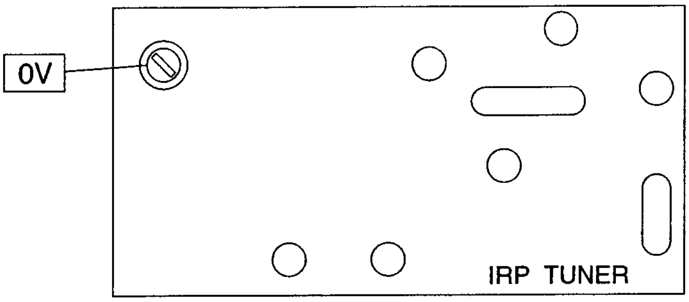
(3) Control Settings

Power Switch	ON	Bass Control	Center Position
Fader Control	Center Position	Band Switch	FM/AM (MW)
Balance Control	Center Position	BBE Switch	OFF
Treble Control	Center Position	Others	OFF

(4) Adjustment Procedures

Step	Description	Connection	Signal Generator		Dial Control	Test Point / P.W.Board Coordinates	Adjustment
1	IF Adjustment	Figure 3	98.1MHz, 72dBμ (Mod. 400Hz, Dev. 40kHz)		98.1MHz	TP005 (1-B) TP006 (1-B)	Adjust $\boxed{\text{0V}}$ to 0±30mV.
2	FM Signal Meter Adjustment	Figure 4	(1)	98.1MHz, 51dBμ (Mod. 400Hz, Dev. 40kHz → Mod. OFF)	98.1MHz	TP004 (1-C) TP505 (1-C)	Auto Adjustment : After setting up of Signal Genarator, short GND and TP505 (Pull-Down) for 2~3 seconds. (SPEC) TP004 : 3±0.1V → OK (SPEC) TP004 : others 3±0.1V → NG NOTE : NG : Proceed same Auto Adjustment of step (1) under step (2).
			(2)	98.1MHz, 46~48dBμ (Mod. 400Hz, Dev. 40kHz → Mod. OFF)	98.1MHz	TP004 (1-C) TP505 (1-C)	Proceed same Auto Adjustment of step (1) under step (2).
			(3)	98.1MHz, 51dBμ (Mod. 400Hz, Dev. 40kHz → Mod. OFF)	98.1MHz	TP004 (1-C) TP505 (1-C)	Proceed same Auto Adjustment of step (1) under step (3).
3	AM Signal Meter Adjustment	Figure 5	(1)	999kHz, 32dBμ (Mod. 400Hz, 30% → Mod. OFF)	999kHz	TP004 (1-C) TP505 (1-C)	Auto Adjustment : After setting up of Signal Genarator, short GND and TP505 (Pull-Down) for 2~3 seconds. (SPEC) TP004 : 1.4±0.15V → OK (SPEC) TP004 : others 1.4±0.15V → NG NOTE : NG : Proceed same Auto Adjustment of step (1) under step (2).
			(2)	999kHz, 27~29dBμ (Mod. 400Hz, 30% → Mod. OFF)	999kHz	TP004 (1-C) TP505 (1-C)	Proceed same Auto Adjustment of step (1) under step (2).
			(3)	999kHz, 32dBμ (Mod. 400Hz, 30% → Mod. OFF)	999kHz	TP004 (1-C) TP505 (1-C)	Proceed same Auto Adjustment of step (1) under step (3).

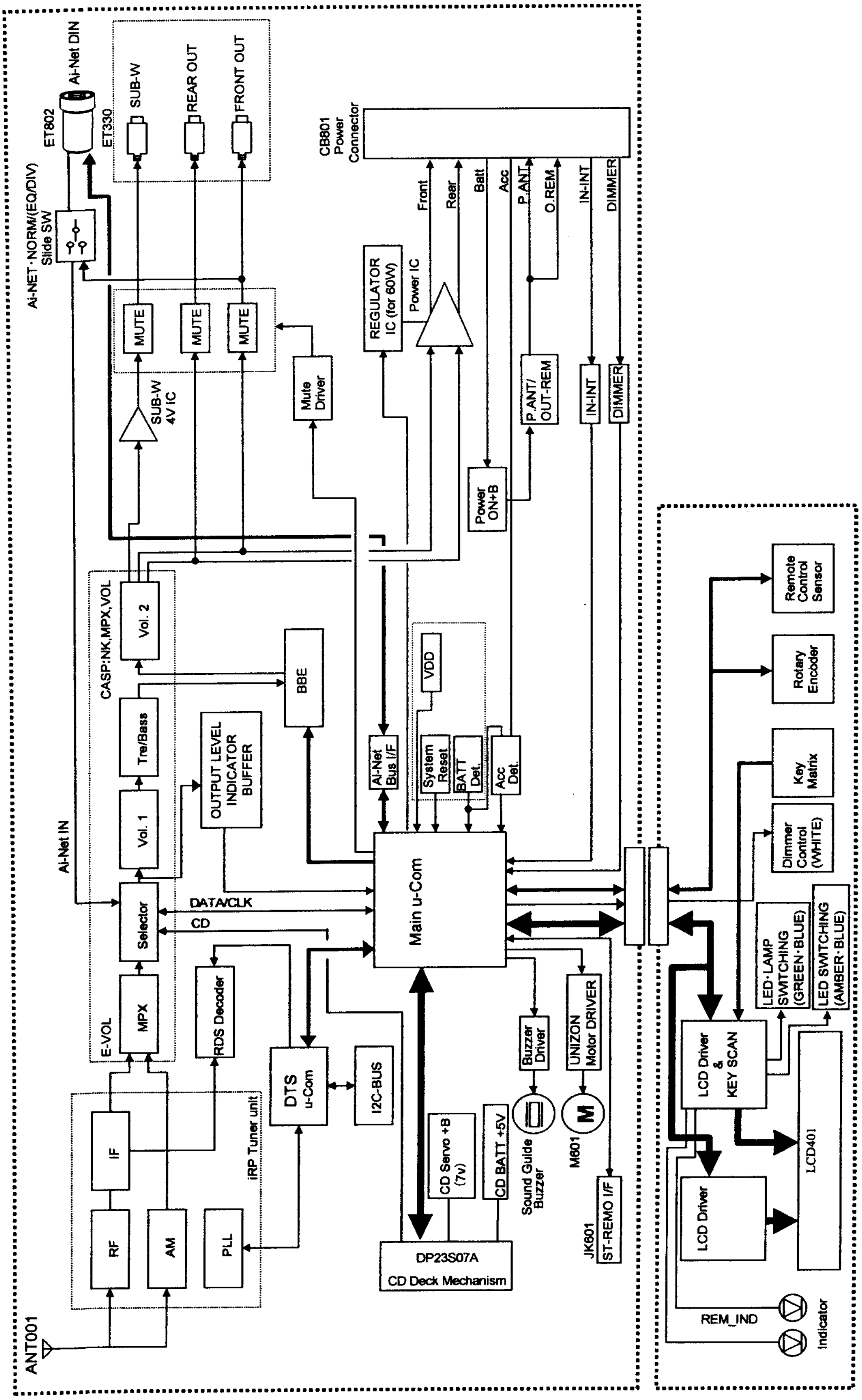
Adjustment Locations



MB4R9030, FM/AM UNIT (TU001)

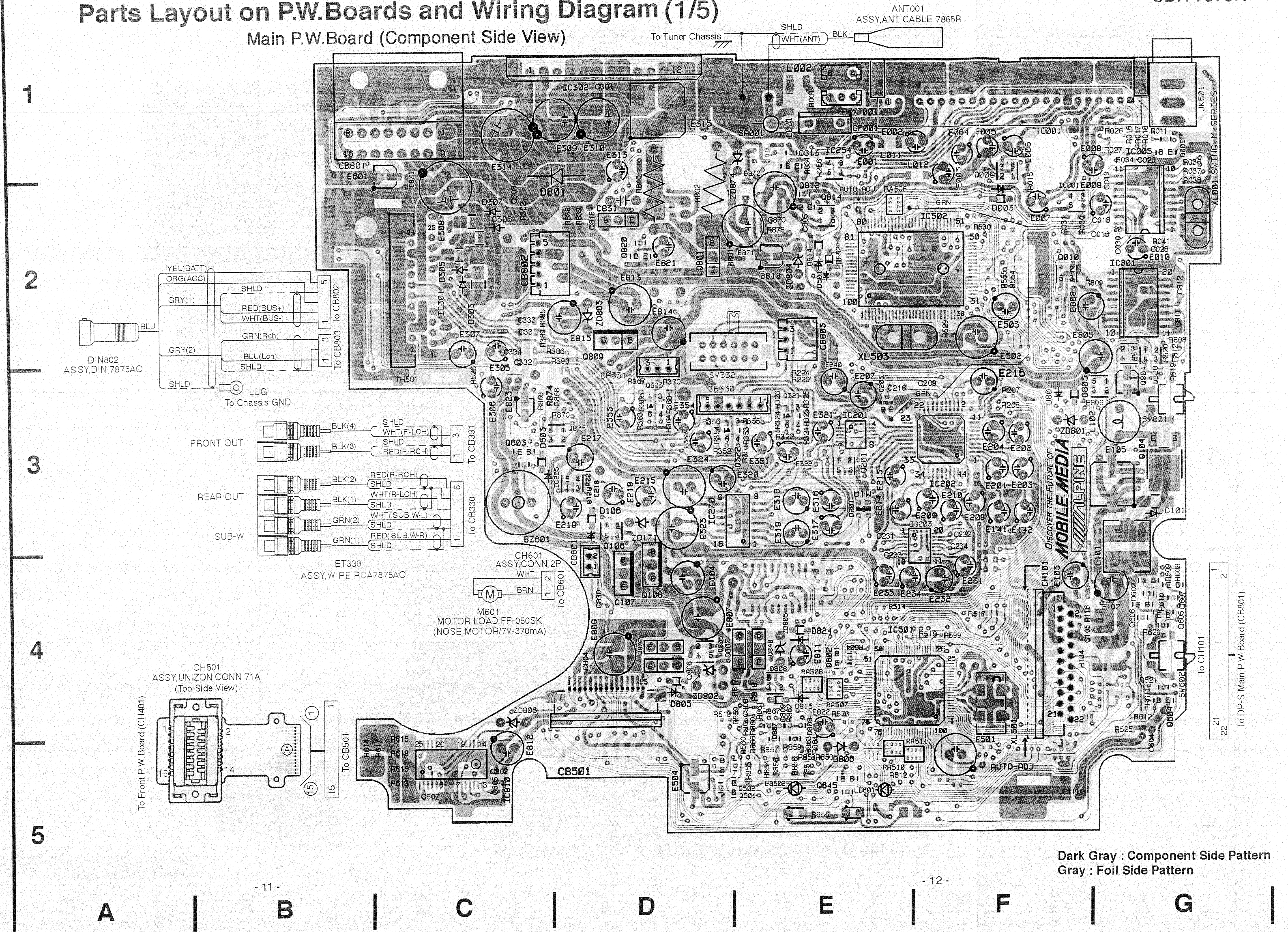
NOTE : For the Test Points, refer to the Parts Layout on P.W.Boards and Wiring Diagram.

Block Diagram


Ai-Net DIN
ET802
ET330
SUB-W
REAR OUT
FRONT OUT
AI-NET·NORM/(EQ/DIV) Slide SW
CB801 Power Connector
Front
Rear
Batt
Acc
P.ANT
O.REM
IN-INT
DIMMER
MUTE
MUTE
MUTE
REGULATOR IC (for 60W)
Power IC
SUB-W 4V IC
Mute Driver
P.ANT/ OUT-REM
IN-INT
DIMMER
Power ON+B
CASP:NK,MPX,VOL
Vol. 2
BBE
VDD
Tre/Bass
OUTPUT LEVEL INDICATOR BUFFER
Ai-Net Bus I/F
System Reset
BATT Det.
Acc Det.
Ai-Net IN
Vol. 1
Main u-Com
Selector
DATA/CLK
CD
E-VOL
MPX
RDS Decoder
DTS u-Com
I2C-BUS
IF
RF
AM
PLL
iRP Tuner unit
ANT001
CD Servo +B (7v)
CD BATT +5V
DP23S07A
CD Deck Mechanism
Buzzer Driver
UNIZON Motor DRIVER
Sound Guide Buzzer
M601
M
JK601
ST-REMO I/F
Remote Control Sensor
Rotary Encoder
Key Matrix
Dimmer Control (WHITE)
LED·LAMP SWITCHING (GREEN·BLUE)
LED SWITCHING (AMBER·BLUE)
LCD Driver & KEY SCAN
LCD Driver
LCD401
REM_IND
Indicator

Parts Layout on P.W.Boards and Wiring Diagram (1/5)

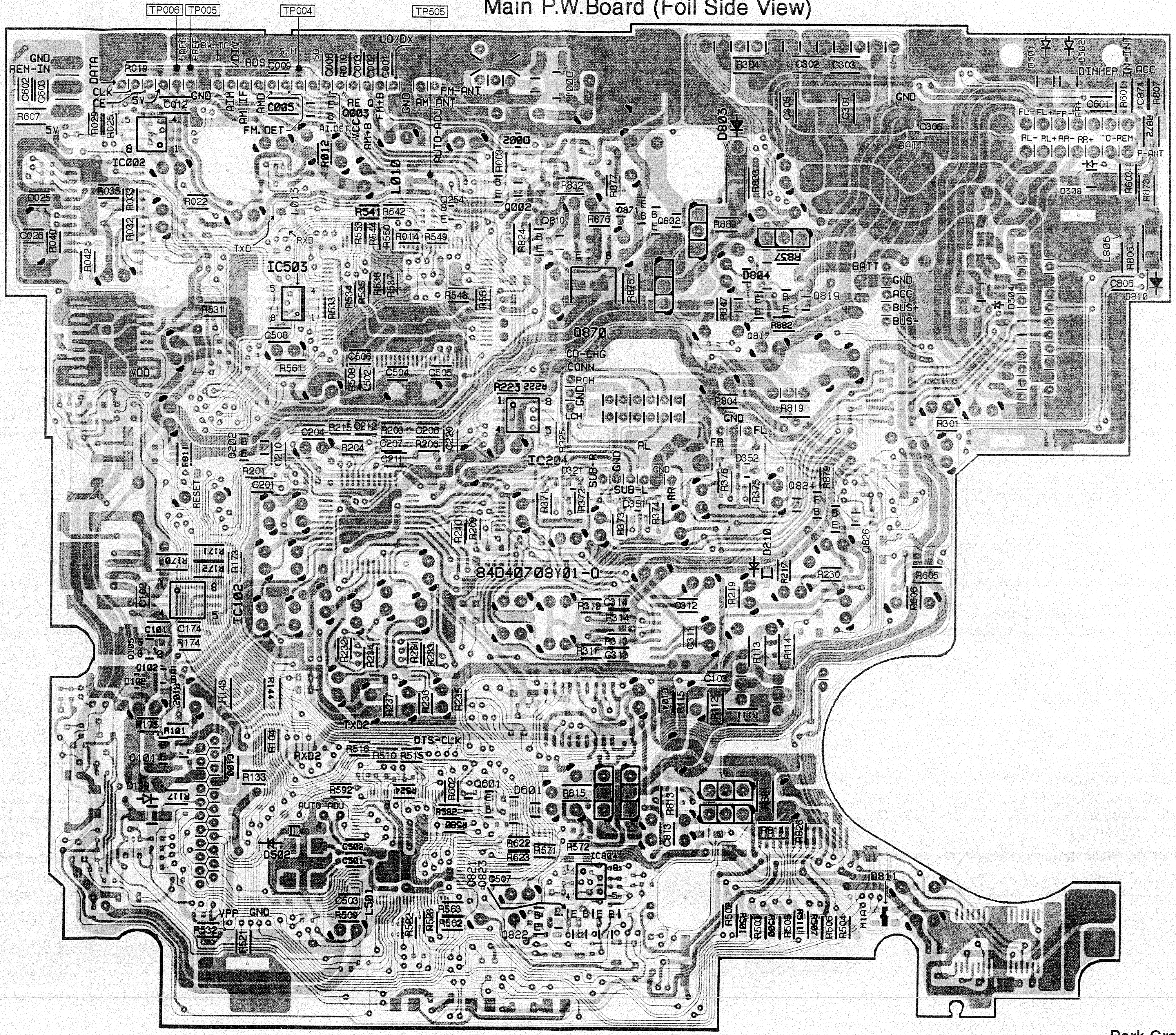
Main P.W.Board (Component Side View)


ANT001
ASSY,ANT CABLE 7865R
SHLD
To Tuner Chassis
WHT(ANT)
BLK
YEL(BATT)
ORG(ACC)
SHLD
GRY(1)
RED(BUS+)
WHT(BUS-)
To CB802
BLU
GRN(Rch)
GRY(2)
BLU(Lch)
SHLD
To CB803
DIN802
ASSY,DIN 7875AO
SHLD
LUG
To Chassis GND
FRONT OUT
BLK(4)
BLK(3)
SHLD
WHT(F-LCH)
SHLD
RED(F-RCH)
To CB331
REAR OUT
SUB-W
BLK(2)
BLK(1)
GRN(2)
GRN(1)
RED(R-RCH)
SHLD
WHT(R-LCH)
SHLD
WHT(SUB.W-L)
SHLD
RED(SUB.W-R)
SHLD
To CB330
ET330
ASSY,WIRE RCA7875AO
CH601
ASSY,CONN 2P
WHT
BRN
To CB601
M601
MOTOR,LOAD FF-050SK
(NOSE MOTOR/7V-370mA)
CH501
ASSY,UNIZON CONN 71A
(Top Side View)
To Front P.W.Board (CH401)
To CB501
To CH101
To DP-S Main P.W.Board (CB801)
CB801
IC302
C304
E309
E310
E314
E313
E315
D801
SA001
L002
YT001
CF001
E002
E004
E005
TU001
JK601
XL001 SWING-M SERIES
IC005
IC254
Q812
Q814
RA506
IC502
D003
IC001
E009
IC801
Q010
E010
CB802
CB831
E821
Q820
Q801
R801
E818
ZD804
XL503
E503
E502
E805
E808
IC301
D305
D303
E307
E305
TH501
E813
E814
E815
ZD803
Q809
CB331
SW332
CB330
CB805
E216
E207
IC201
ZD801
D802
Q803
Q804
SW601
L102
E105
Q104
D101
Q603
E306
E823
E217
IC205
E218
E215
E219
BZ601
D106
ZD171
Q106
Q107
Q108
E353
E354
E324
E351
E320
IC270
E325
E318
E319
E317
E316
D201
IC202
E213
E214
E210
E209
E208
E204
E202
E201
E203
E141
E142
IC203
E231
E232
E234
E235
L101
CH101
E103
E102
E104
E809
E807
C804
Q806
D824
E811
Q802
IC501
E501
XL504
SW602
Q604
R525
ZD806
E812
IC610
C607
CB501
E504
ZD802
D805
D815
E822
D806
Q645
LD801
LD602
RA508
RA507
RA510
RA511
R655
AUTO-ADJ
DISCOVER THE FUTURE OF MOBILE MEDIA
ALPINE
1
2
3
4
5
A
B
C
D
E
F
G

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (2/5)

Main P.W.Board (Foil Side View)


TP006
TP005
TP004
TP505
84D40708Y01-0
IC002
IC503
IC204
IC102
CD-CHG CONN
BATT
GND
ACC
BUS+
BUS-
DIMMER
ILL-INT
ACC
FM-ANT
AM-ANT
AUTO-ADJ
VDD
RESET
TXD2
RXD2
DTS-CLK
VPP
GND

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

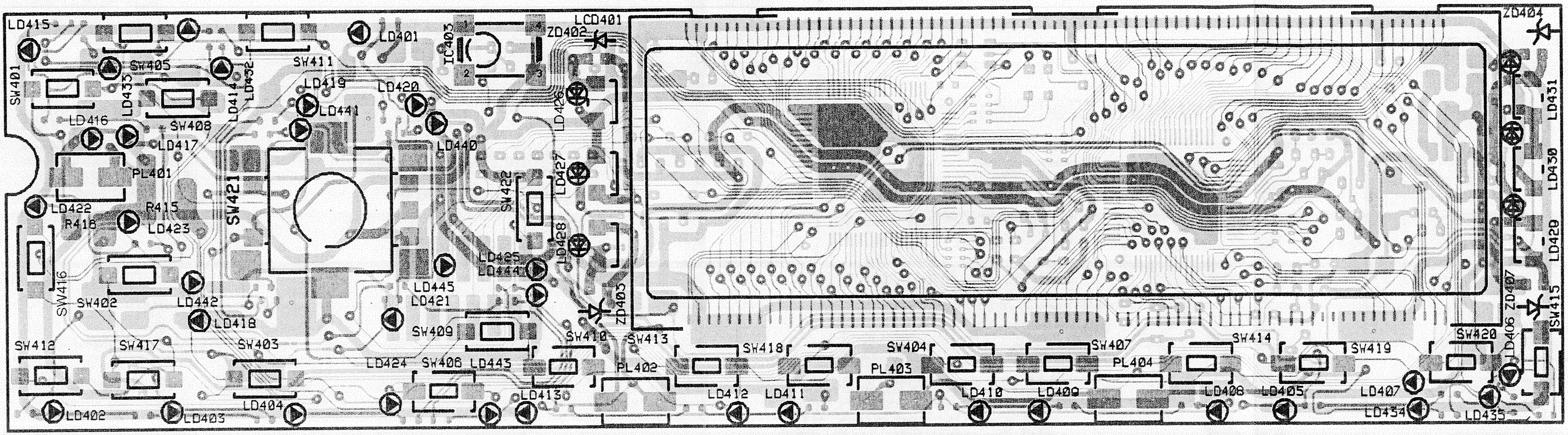
1
2
3
4
5

A B C D E F G

Parts Layout on P.W.Boards and Wiring Diagram (3/5)

1

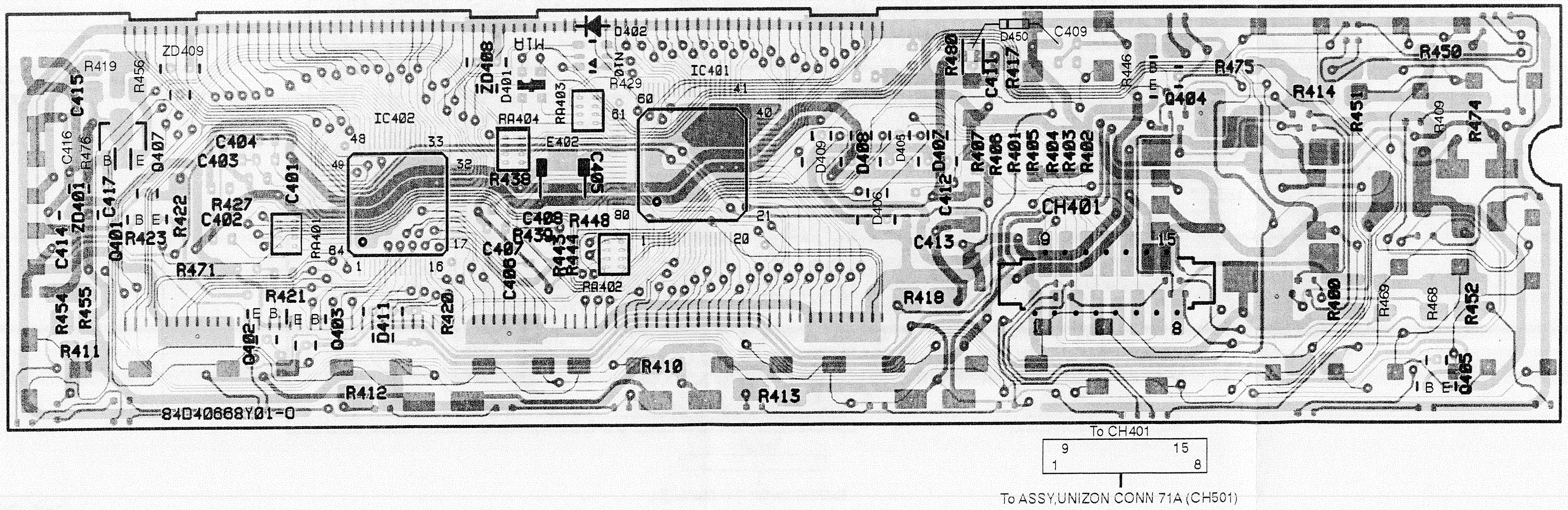
Front P.W.Board (Component Side View)


LD415
LCD401
ZD402
ZD404
LD401
IC403
SW401
SW405
LD435
SW411
LD414
LD419
LD420
LD441
LD416
SW408
LD417
LD440
PL401
SW421
LD426
LD427
SW422
LD431
LD430
LD429
LD422
R416
R415
LD423
LD428
LD425
LD444
LD445
LD421
ZD405
ZD407
SW416
SW402
LD442
LD418
SW409
SW410
SW413
SW415
SW412
SW417
SW403
SW418
SW404
SW407
SW414
SW419
SW420
LD406
LD424
SW406
LD443
PL402
PL403
PL404
LD404
LD413
LD412
LD411
LD410
LD409
LD408
LD405
LD407
LD402
LD403
LD434
LD435

2

3

Front P.W.Board (Foil Side View)


D402
D450
C409
ZD409
R419
R456
ZD408
D401
R403
R429
IC401
R480
C411
R417
R446
R475
R450
R414
C415
IC402
RA404
E402
Q404
R451
R409
R474
C416
R476
Q407
C404
C403
C401
R439
C405
D409
D408
D405
D407
R407
R406
R401
R405
R404
R403
R402
C417
ZD401
R422
R427
C402
D406
C412
CH401
C414
Q401
R423
RA401
C408
R448
C413
R471
C407
R430
R443
R444
C406
RA402
R421
R418
R400
R469
R468
R452
R454
R455
Q402
Q403
D411
R420
R411
Q405
R410
R412
R413
84D40668Y01-0
To CH401
9
15
1
8
To ASSY,UNIZON CONN 71A (CH501)

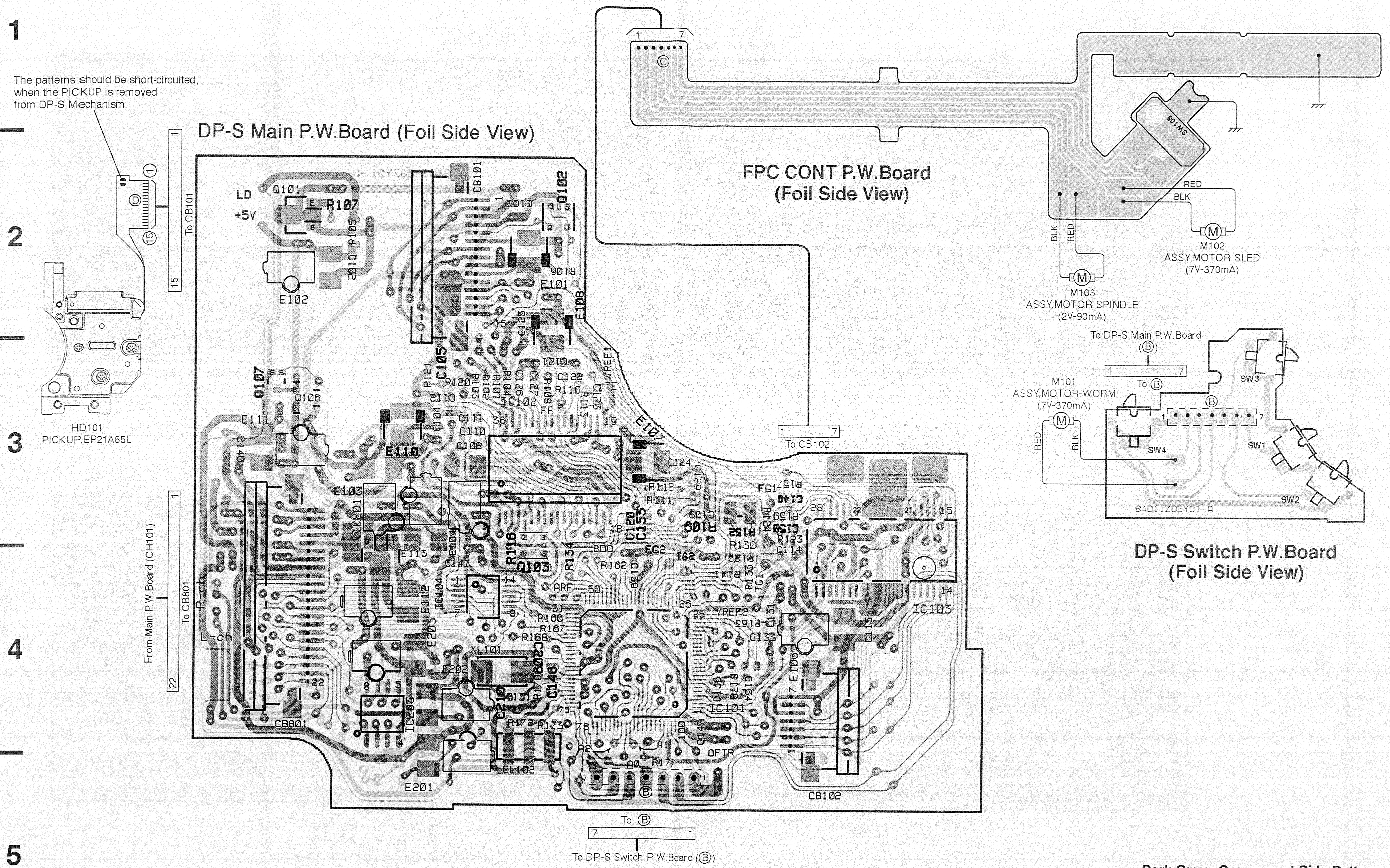
4

5

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

A | B | C | D | E | F | G

Parts Layout on P.W.Boards and Wiring Diagram (4/5)


1
2
3
4
5
The patterns should be short-circuited, when the PICKUP is removed from DP-S Mechanism.
HD101
PICKUP,EP21A65L
To CB101
1
15
DP-S Main P.W.Board (Foil Side View)
From Main P.W.Board (CH101)
To CB801
1
22
R-ch
L-ch
LD
+5V
Q101
R107
R105
Q102
CB101
E101
E102
E108
Q107
Q106
E111
E110
E103
E113
E104
IC201
IC104
IC102
IC101
IC103
IC203
Q103
C105
R121
R120
C122
R110
C124
R112
R111
C120
C155
R109
R132
R130
R123
C114
C149
R157
R159
FG1
FG2
BDO
R162
R134
ARF
VREF1
VREF2
TE
FE
R166
R167
R168
XL101
E202
E203
E201
C210
C146
R172
R173
CL102
CB801
CB102
E106
C133
C131
C115
R177
A0
A1
A2
OFTR
To CB102
1
7
FPC CONT P.W.Board (Foil Side View)
1
7
BLK
RED
M103
ASSY,MOTOR SPINDLE
(2V-90mA)
M102
ASSY,MOTOR SLED
(7V-370mA)
SW105
To DP-S Main P.W.Board
To Ⓑ
M101
ASSY,MOTOR-WORM
(7V-370mA)
SW1
SW2
SW3
SW4
84D11Z05Y01-A
DP-S Switch P.W.Board (Foil Side View)
To Ⓑ
7
1
To DP-S Switch P.W.Board (Ⓑ)
A
B
C
D
E
F
G

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (5/5)

1

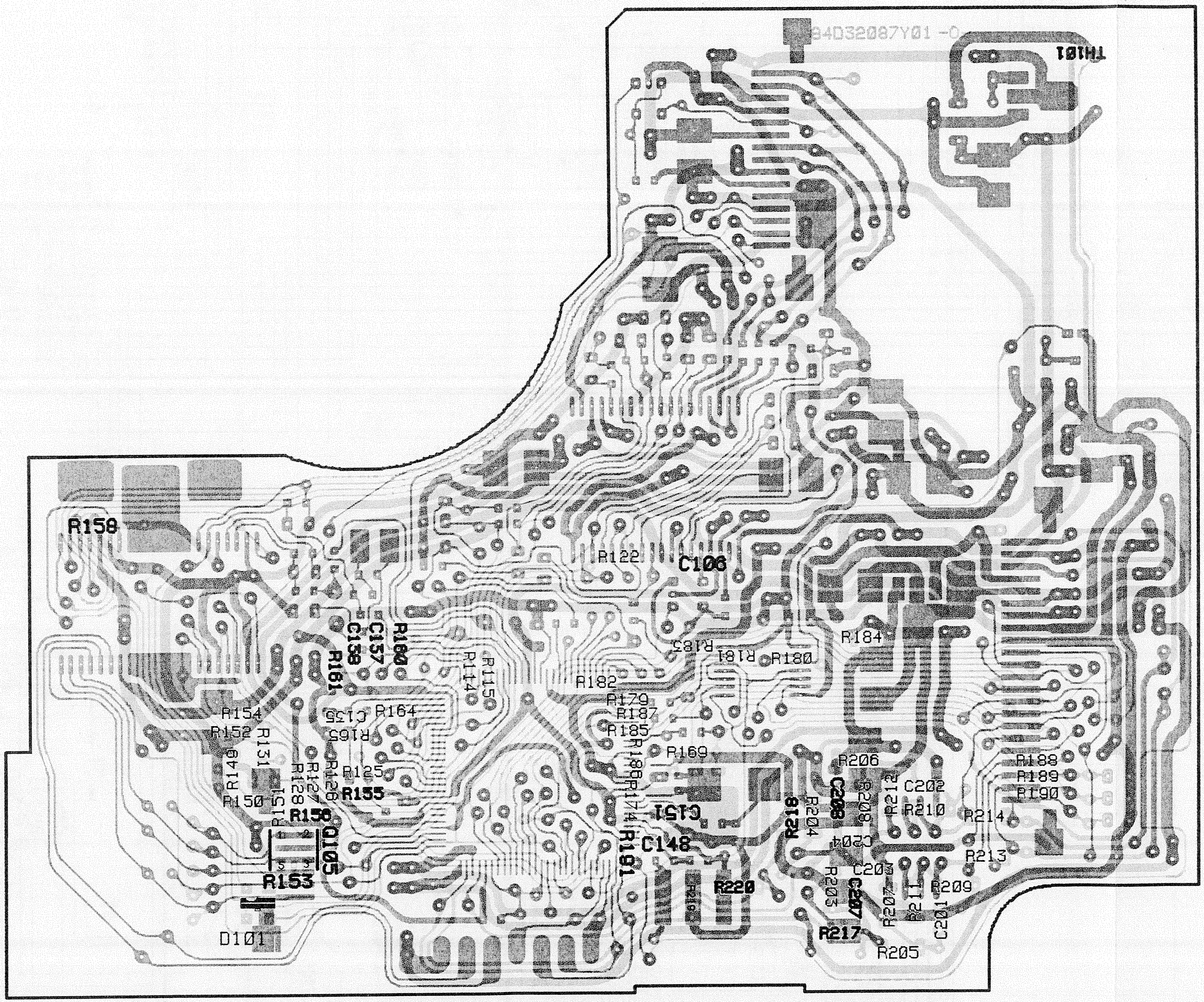
2

3

4

5

DP-S Main P.W.Board (Component Side View)

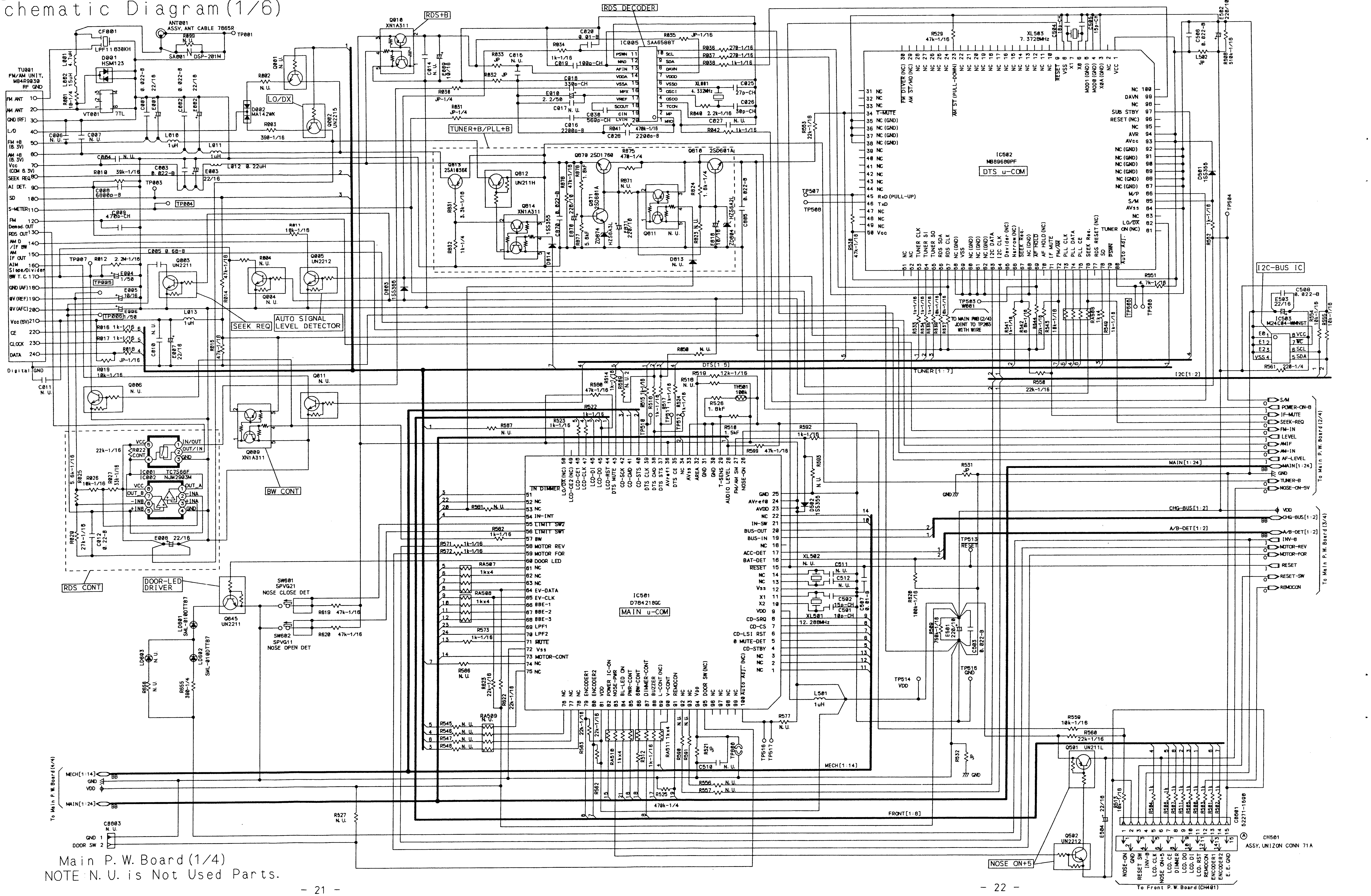

84D32087Y01 -0
TH101
R158
R122
C106
C138
C137
R160
R161
R114
R115
R183
R181
R180
R184
R182
R179
R187
R185
R169
R186
R174
R154
R152
R131
C155
R164
R165
R149
R150
R151
R128
R127
R126
R125
R155
R156
Q105
R153
D101
C151
C148
R191
R219
R220
R218
R204
C208
R208
R206
R212
C202
R210
C204
R214
R188
R189
R190
R213
C203
R203
C207
R207
R211
R209
C201
R217
R205

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

A | B | C | D | E | F | G

CDA-7873R

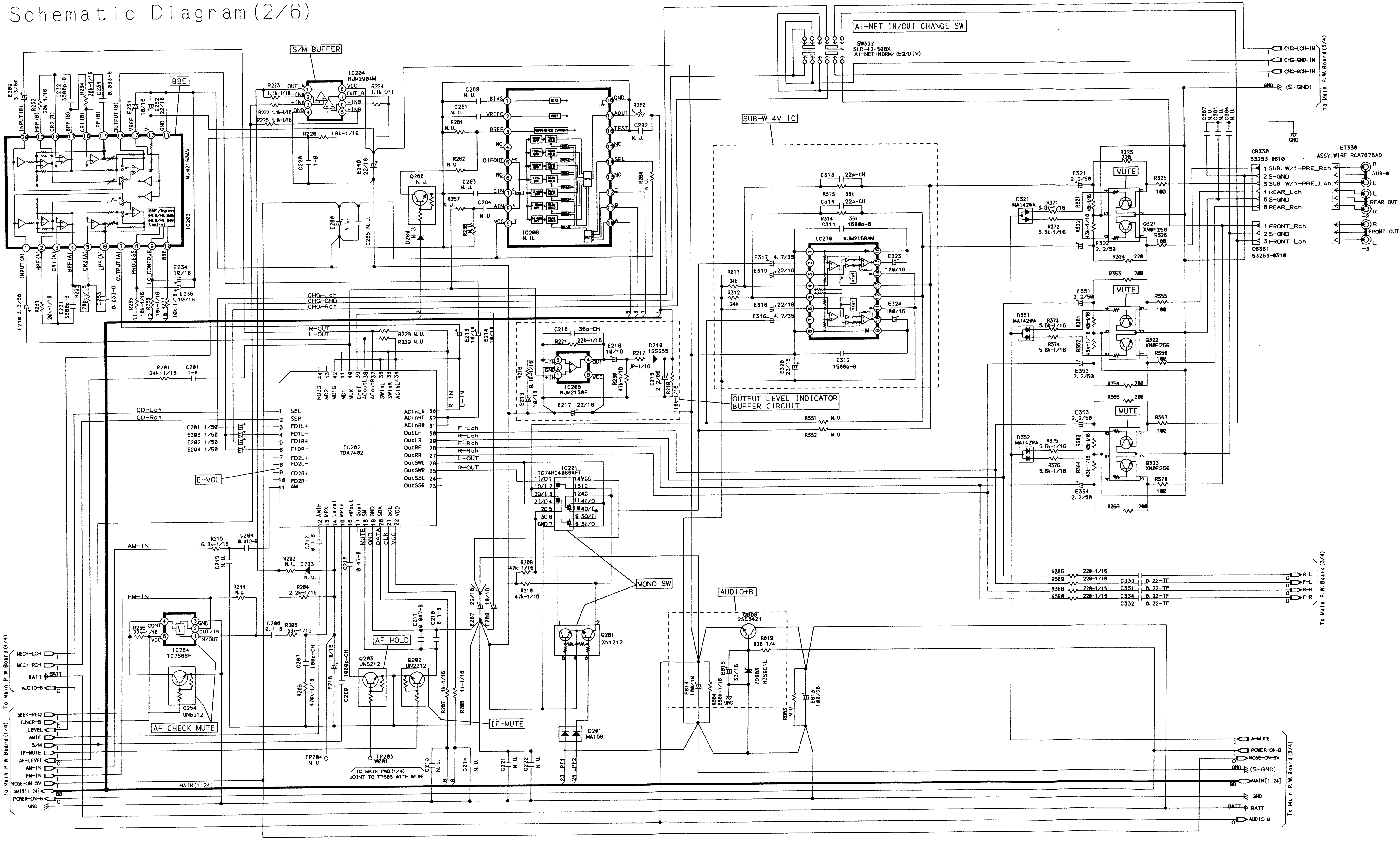
Schematic Diagram (1/6)


RDS DECODER
RDS+B
IC005 SAA6588T
ANT001 ASSY, ANT CABLE 7865R
TP001
CF001 LPF11 830KH
SA001 DSP-201M
TU001 FM/AM UNIT, M84R9030
Q001 LO/DX
D002 MA142WK
TUNER+B/PLL+B
Q010 XN1A311
Q813 2SA1036K
Q812 UN2111H
Q814 XN1A311
Q870 2SD1760
Q810 2SD601A
Q871 2SD601A
Q811 N.U.
Q003 UN2211
Q004
Q005 UN2212
SEEK REQ
AUTO SIGNAL LEVEL DETECTOR
Q006 N.U.
Q011 N.U.
Q009 XN1A311
BW CONT
IC001 TC7S66F
IC002 NJM2903M
RDS CONT
DOOR-LED DRIVER
Q645 UN2211
SW601 SPVG21 NOSE CLOSE DET
SW602 SPVG11 NOSE OPEN DET
LD001 SML-010DT87
LD002 SML-010DT87
IC501 D784218GC
MAIN u-COM
XL501 12.288MHz
XL502
IC502 M88960PF
DTS u-COM
XL503 7.3728MHz
I2C-BUS IC
IC503 M24C04-WMN6T
TO MAIN PWB(2/4) JOINT TO TP203 WITH WIRE
DTS[1:5]
TUNER[1:7]
I2C[1:2]
MAIN[1:24]
CHG-BUS[1:2]
A/B-DET[1:2]
MECH[1:14]
FRONT[1:8]
To Main P.W.Board (2/4)
To Main P.W.Board (3/4)
To Main P.W.Board (4/4)
Q501 UN211L
Q502 UN2212
NOSE ON+5
CN501 52271-1500
CH501 ASSY, UNIZON CONN 71A
To Front P.W.Board (CH401)
CB003 N.U.
GND
DOOR SW

Main P. W. Board (1/4)

NOTE N. U. is Not Used Parts.

Schematic Diagram (2/6)

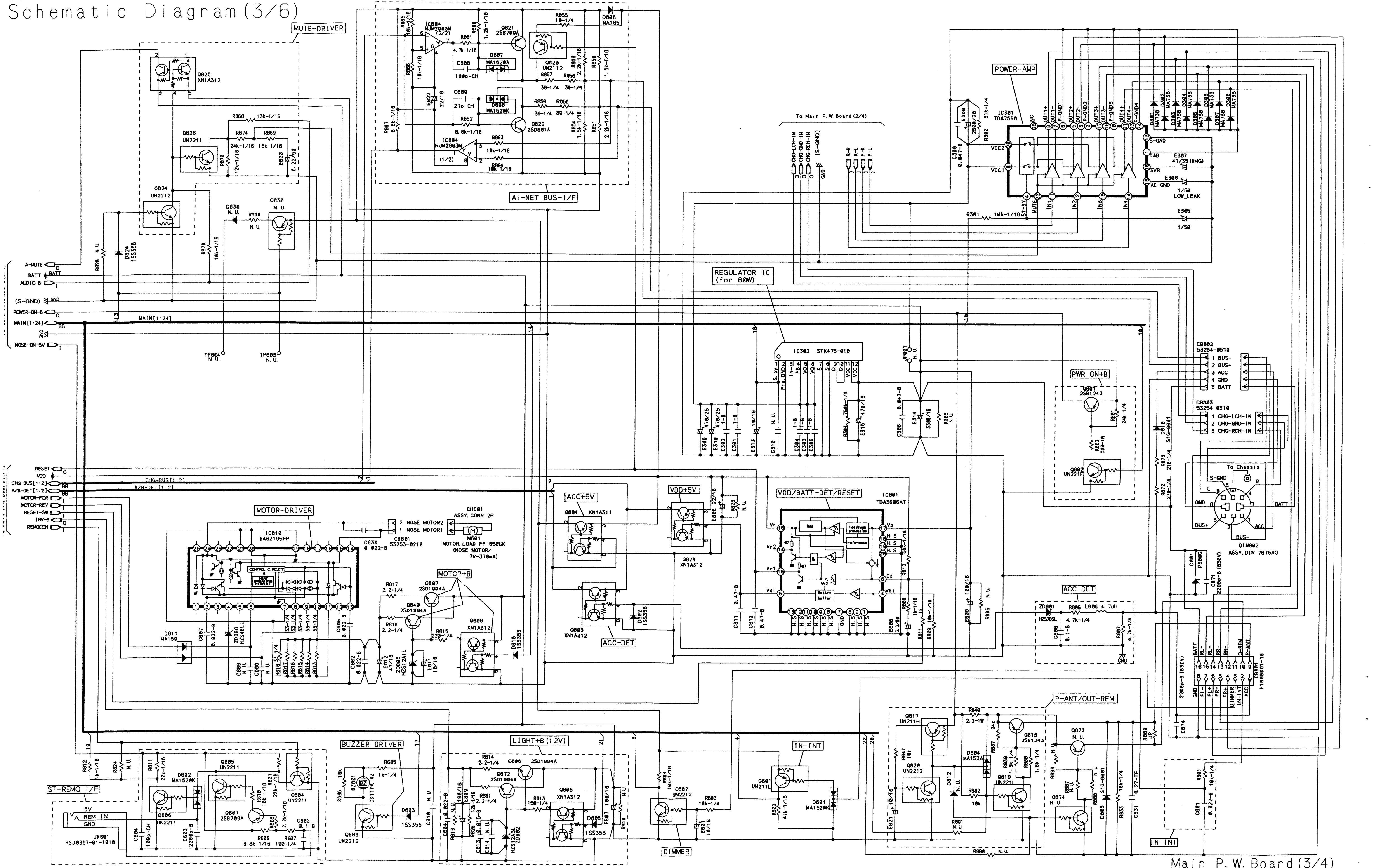

BBE
S/M BUFFER
IC204 NJM2904M
IC203 NJM2150AV
IC206 N.U.
Q200 N.U.
D200 N.U.
IC202 TDA7402
E-VOL
CD-Lch
CD-Rch
CHG-Lch
CHG-GND
CHG-Rch
R-OUT
L-OUT
AM-IN
FM-IN
IC205 NJM2130F
D210 1SS355
OUTPUT LEVEL INDICATOR BUFFER CIRCUIT
SUB-W 4V IC
IC270 NJM2160AM
Ai-NET IN/OUT CHANGE SW
SW332 SLD-42-500X
Ai-NET·NORM/(EQ/DIV)
CHG-LCH-IN
CHG-GND-IN
CHG-RCH-IN
(S-GND)
MUTE
D321 MA142WA
D351 MA142WA
D352 MA142WA
Q321 XN0F256
Q322 XN0F256
Q323 XN0F256
CB330 53253-0610
CB331 53253-0310
ET330 ASSY.WIRE RCA7875A0
1 SUB.W/1-PRE_Rch
2 S-GND
3 SUB.W/1-PRE_Lch
4 REAR_Lch
5 S-GND
6 REAR_Rch
1 FRONT_Rch
2 S-GND
3 FRONT_Lch
SUB-W
REAR OUT
FRONT OUT
IC201 TC74HC4066AFT
MONO SW
Q201 XN1212
D201 MA159
AUDIO+B
Q800 2SC3421
ZD803 HZS9C1L
AF HOLD
Q203 UN5212
Q202 UN2212
IF-MUTE
IC254 TC7S66F
Q254 UN5212
AF CHECK MUTE
TP204 N.U.
TP203 W801
TO MAIN PWB (1/4) JOINT TO TP503 WITH WIRE
MAIN[1:24]
MECH-LCH
MECH-RCH
BATT
AUDIO-B
SEEK-REQ
TUNER-B
LEVEL
AMIF
S/M
IF-MUTE
AF-LEVEL
AM-IN
FM-IN
NOSE-ON-5V
POWER-ON-B
GND
To Main P.W. Board (4/4)
To Main P.W. Board (1/4)
To Main P.W. Board (3/4)
R-L
F-L
R-R
F-R
A-MUTE
POWER-ON-B
NOSE-ON-5V
(S-GND)
MAIN[1:24]
GND
BATT
AUDIO-B

Main P.W. Board (2/4)

NOTE: N. U. is Not Used Parts.

CDA-7873R

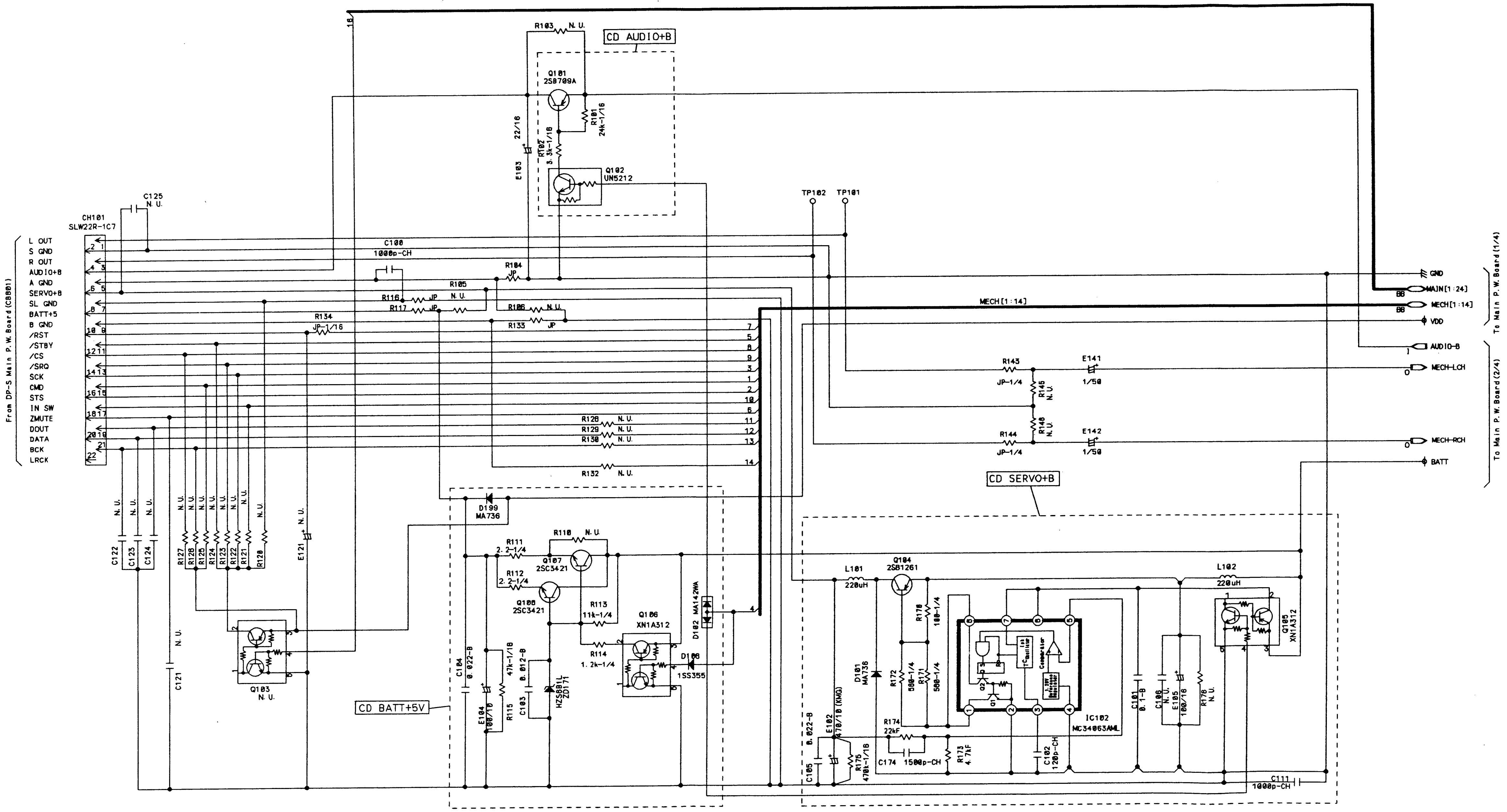
Schematic Diagram (3/6)


MUTE-DRIVER
Ai-NET BUS-I/F
To Main P.W. Board (2/4)
POWER-AMP
IC301 TDA7560
REGULATOR IC (for 60W)
IC302 STK475-010
MOTOR-DRIVER
IC810 BA6219BFP
CH601 ASSY. CONN 2P
M601 MOTOR, LOAD FF-050SK (NOSE MOTOR/ 7V-370mA)
MOTOR+B
ACC+5V
ACC-DET
VDD+5V
VDD/BATT-DET/RESET
IC601 TDA3606AT
PWR ON+B
ACC-DET
CN802 53254-0510
1 BUS-
2 BUS+
3 ACC
4 GND
5 BATT
CN803 53254-0310
1 CHG-LCH-IN
2 CHG-GND-IN
3 CHG-RCH-IN
To Chassis
DIN802 ASSY, DIN 7875AO
CN801 F180801-18
P-ANT/OUT-REM
IN-INT
ST-REMO I/F
JK601 HSJ0857-01-1010
BUZZER DRIVER
LIGHT+B (12V)
DIMMER
IN-INT
A-MUTE
BATT
AUDIO-B
(S-GND)
POWER-ON-B
MAIN[1:24]
GND
NOSE-ON-5V
RESET
VDD
CHG-BUS[1:2]
A/B-DET[1:2]
MOTOR-FOR
MOTOR-REV
RESET-SW
INV-B
REMOCON

Main P.W. Board (3/4)

NOTE: N.U. is Not Used Parts.

Schematic Diagram (4/6)

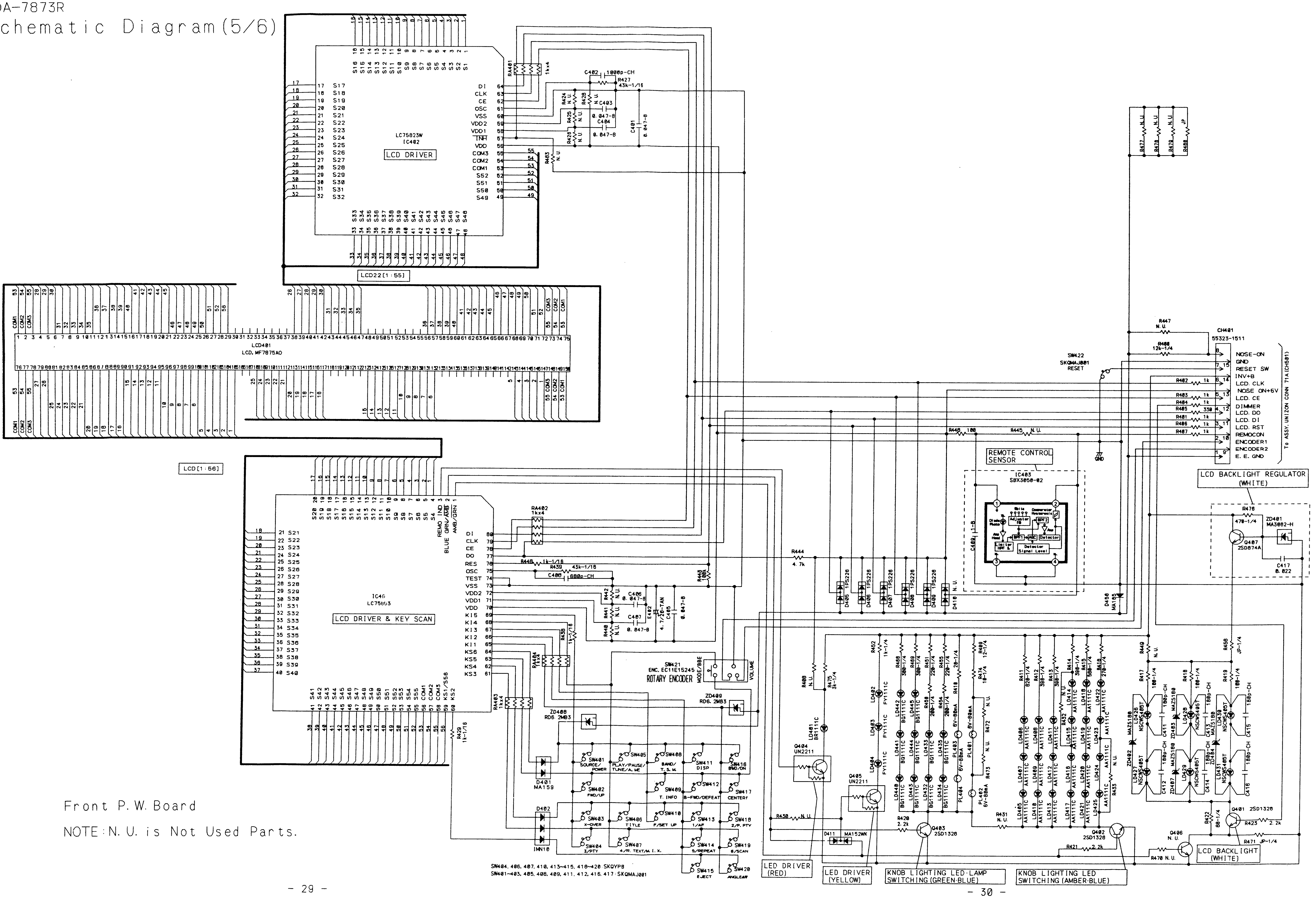

From DP-S Main P.W. Board (CB801)
CH101
SLW22R-1C7
L OUT
S GND
R OUT
AUDIO+8
A GND
SERVO+8
SL GND
BATT+5
B GND
/RST
/STBY
/CS
/SRQ
SCK
CMD
STS
IN SW
ZMUTE
DOUT
DATA
BCK
LRCK
C125 N. U.
C100 1000p-CH
R103 N. U.
CD AUDIO+B
Q101 2SB709A
R101 24k-1/16
E103 22/16
R102 3.3k-1/16
Q102 UN5212
R104
R105 N. U.
R116 JP
R117 JP
R106 N. U.
R133 JP
R134 JP-1/16
R128 N. U.
R129 N. U.
R130 N. U.
R132 N. U.
TP102
TP101
MECH[1:14]
GND
MAIN[1:24]
MECH[1:14]
VDD
AUDIO-B
MECH-LCH
MECH-RCH
BATT
To Main P.W. Board (1/4)
To Main P.W. Board (2/4)
R143 JP-1/4
R145 N.U.
E141 1/50
R144 JP-1/4
R146 N.U.
E142 1/50
CD SERVO+B
C122 N. U.
C123 N. U.
C124 N. U.
R127 N. U.
R126 N. U.
R125 N. U.
R124 N. U.
R123 N. U.
R122 N. U.
R121 N. U.
R120 N. U.
E121 N. U.
C121 N. U.
Q103 N. U.
D199 MA736
R110 N. U
R111 2.2-1/4
R112 2.2-1/4
Q107 2SC3421
Q108 2SC3421
R113 11k-1/4
R114 1.2k-1/4
Q106 XN1A312
D102 MA142WA
D106 1SS355
C104 0.022-B
E104 100/10
R115 47k-1/16
C103 0.012-B
HZS6B1L ZD171
CD BATT+5V
L101 220uH
Q104 2SB1261
D101 MA4130
R172 560-1/4
R171 560-1/4
R170 100-1/4
R174 22kF
C174 1500p-CH
R173 4.7kF
C102 120p-CH
IC102 MC34063AML
C105 0.022-B
E102 470/10 (KMQ)
R175 470-1/16
C101 0.1-B
C106 N. U.
E105 100/16
R176 N. U.
L102 220uH
Q105 XN1A312
C111 1000p-CH

Main P. W. Board (4/4)

NOTE : N. U. is Not Used Parts.

CDA-7873R

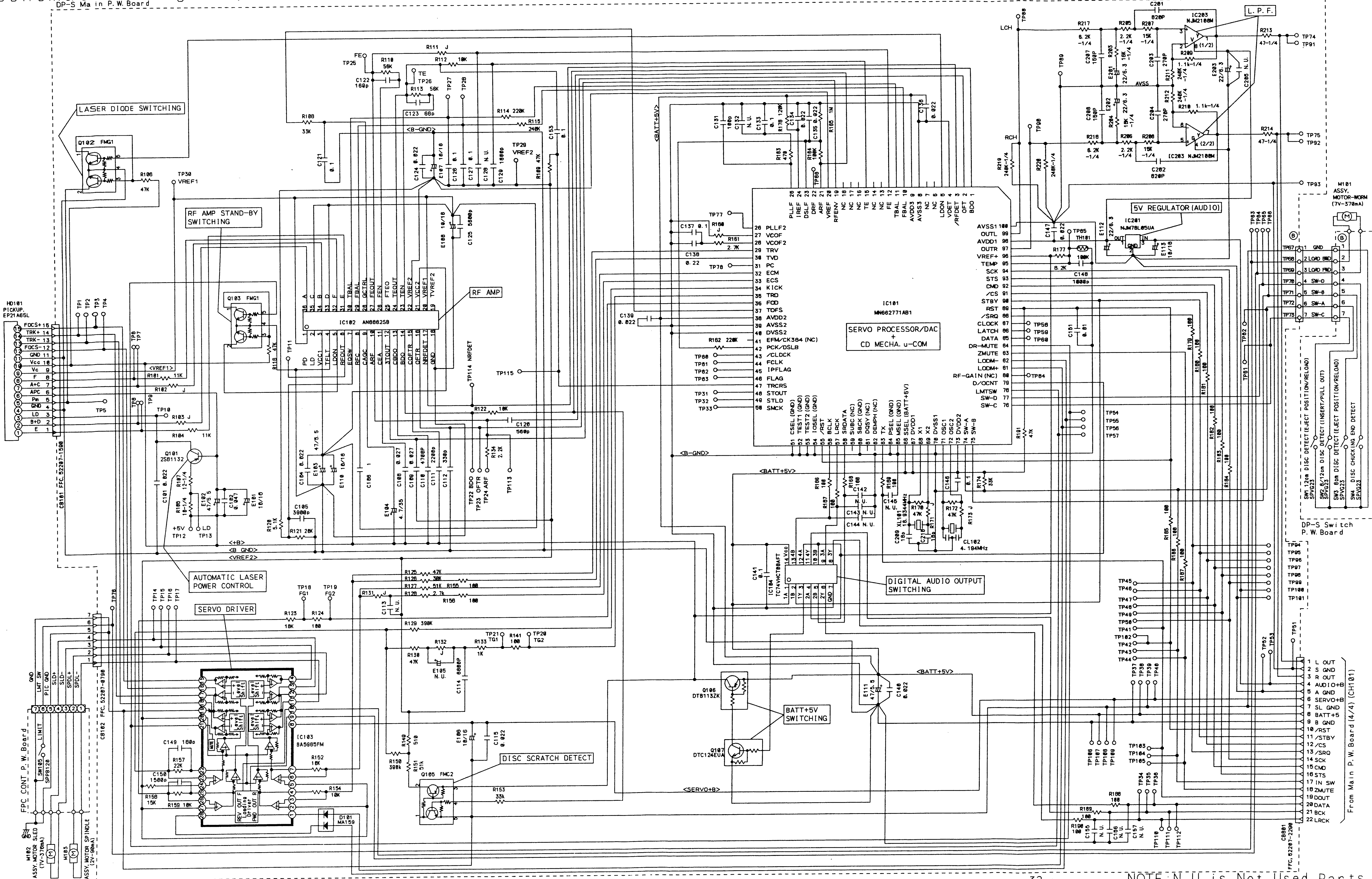
Schematic Diagram (5/6)


LC75823W
IC402
LCD DRIVER
LCD22[1:55]
LCD401
LCD, MF7875AO
LCD[1:56]
IC401
LC75853
LCD DRIVER & KEY SCAN
RA401 1kx4
RA402 1kx4
RA403 1kx4
RA404 1kx4
C402 1000p-CH
R427 43k-1/16
R439 43k-1/16
C408 680p-CH
R448 1k-1/16
SW421 ENC. EC11E15245
ROTARY ENCODER
MODE/BBE
VOLUME
ZD408 RD6.2MB3
ZD409 RD6.2MB3
D401 MA159
D402 IMN10
SW401 SOURCE/POWER
SW402 FWD/UP
SW403 X-OVER
SW404 3/PTY
SW405 PLAY/PAUSE/TUNE/A.ME
SW406 TITLE
SW407 4/R.TEXT/M.I.X.
SW408 BAND/T.S.M.
SW409 T.INFO
SW410 F/SET UP
SW411 DISP
SW412 B-FWD/DEFEAT
SW413 1/AF
SW414 5/REPEAT
SW415 EJECT
SW416 BWD/DN
SW417 CENTER
SW418 2/P.PTY
SW419 6/SCAN
SW420 ANGLE
SW404, 406, 407, 410, 413-415, 418-420 SKQYPB
SW401-403, 405, 408, 409, 411, 412, 416, 417 SKQMAJ001
SW422 SKQMAJ001 RESET
REMOTE CONTROL SENSOR
IC403 SBX3050-02
R444 4.7k
CH401 55323-1511
NOSE-ON
GND
RESET SW
INV+B
LCD.CLK
NOSE ON+6V
LCD.CE
DIMMER
LCD.DO
LCD.DI
LCD.RST
REMOCON
ENCODER1
ENCODER2
E.E.GND
To ASSY, UNIZON CONN 71A(CH501)
LCD BACKLIGHT REGULATOR (WHITE)
Q407 2SD874A
ZD401 MA3082-H
C417 0.022
R476 470-1/4
Q404 UN2211
Q405 UN2211
Q403 2SD1328
Q402 2SD1328
Q401 2SD1328
Q406 N.U.
D411 MA152WK
LD401 BR1111C
PL401 6V-80mA
PL402 6V-80mA
PL403 6V-80mA
PL404 6V-80mA
LED DRIVER (RED)
LED DRIVER (YELLOW)
KNOB LIGHTING LED·LAMP SWITCHING (GREEN·BLUE)
KNOB LIGHTING LED SWITCHING (AMBER·BLUE)
LCD BACKLIGHT (WHITE)

Front P.W. Board

NOTE : N. U. is Not Used Parts.

Schematic Diagram (6/6)


DP-S Main P.W. Board
LASER DIODE SWITCHING
Q102 FMG1
R106 47K
TP30 VREF1
RF AMP STAND-BY SWITCHING
Q103 FMG1
HD101 PICKUP EP21A65L
FOCS+ 15
TRK+ 14
TRK- 13
FOCS- 12
GND 11
Vcc 10
Vc 9
F 8
A+C 7
APC 6
Pm 5
GND 4
LD 3
B+D 2
E 1
CB101 FFC,52207-1590
Q101 2SB1132
+5V TP12
LD TP13
AUTOMATIC LASER POWER CONTROL
IC102 AN8862SB
RF AMP
FE TP25
TE TP26
TP27
TP28
TP29 VREF2
TP114 NRFDET
TP115
TP22 BDO
TP23 OFTR
TP24 ARF
TP113
<+B>
<B GND>
<VREF2>
<B-GND>
<BATT+5V>
IC101 MN662771AB1
SERVO PROCESSOR/DAC + CD MECHA. u-COM
PLLF2
VCOF
VCOF2
TRV
TVD
PC
ECM
ECS
KICK
TRD
FOD
TOFS
AVDD2
AVSS2
DVSS2
EFM/CK384 (NC)
PCK/DSLB
/CLDCK
FCLK
IPFLAG
FLAG
TRCRS
STOUT
STLD
SMCK
AVSS1
OUTL
AVDD1
OUTR
VREF+
TEMP
SCK
STS
CMD
/CS
STBY
RST
/SRQ
CLOCK
LATCH
DATA
DR-MUTE
ZMUTE
LODM-
LODM+
RF-GAIN (NC)
D/OCNT
LMTSW
SW-D
SW-B
SW-C
CSEL (GND)
TEST1 (GND)
TEST2 (GND)
IOSEL (GND)
/RST
BCLK
LRCK
SRDATA
SUBC (NC)
SBCK (GND)
DQSY (NC)
DEMPH (NC)
TX
PSEL (GND)
MSEL (GND)
SSEL (BATT+5V)
DVDD1
X1
X2
DVSS1
OSC1
OSC2
DVDD2
SW-A
X101 16.9344MHz
CL102 4.194MHz
IC104 TC74VHCT08AFT
DIGITAL AUDIO OUTPUT SWITCHING
LCH
RCH
L.P.F.
IC203 NJM2100M (1/2)
IC203 NJM2100M (2/2)
AVSS
TP74
TP91
TP75
TP92
TP93
5V REGULATOR (AUDIO)
IC201 NJM78L05UA
TH101
M101 ASSY, MOTOR-WORM (7V-370mA)
1 GND
2 LOAD GND
3 LOAD PWR
4 SW-D
5 SW-B
6 SW-A
7 SW-C
SW1 120mm DISC DETECT (EJECT POSITION/RELOAD) SPVG23
SW2 8/12cm DISC DETECT (INSERT/PULL OUT) SPVG23
SW3 8cm DISC DETECT (EJECT POSITION/RELOAD) SPVG23
SW4 DISC CHUCKING END DETECT
DP-S Switch P.W. Board
SERVO DRIVER
IC103 BA5985FM
Level Shift
MUTE
Loading Driver
REV OUT F
OUT R
FWD OUT R
D101 MA159
TP18 FG1
TP19 FG2
TP21 TG1
TP20 TG2
DISC SCRATCH DETECT
Q105 FMC2
Q106 DTB113ZK
Q107 DTC124EUA
BATT+5V SWITCHING
<SERVO+B>
CB102 FFC,52207-0790
FPC CONT P.W. Board
SW105 SPPB120
LIMIT
GND
LMT SW
PIC GND
SLD+
SLD-
SPDL+
SPDL-
M102 ASSY, MOTOR SLED (7V-370mA)
M103 ASSY, MOTOR SPINDLE (12V-90mA)
1 L OUT
2 S GND
3 R OUT
4 AUDIO+B
5 A GND
6 SERVO+B
7 SL GND
8 BATT+5
9 B GND
10 /RST
11 /STBY
12 /CS
13 /SRQ
14 SCK
15 CMD
16 STS
17 IN SW
18 ZMUTE
19 DOUT
20 DATA
21 BCK
22 LRCK
From Main P.W. Board (4/4) (CH101)
CB001 FFC,52207-2290

NOTE N.U. is Not Used Parts.

Terminal Voltage of IC/TR

IC001		
1	4.9	
2	4.9	
3	0	
4	8.32/0	POWER ON/SEEK
5	8.32	

IC002		
1	8.3	
2	4.7	
3	5.67	
4	0	
5	4.7	
6	4.1	
7	8.3/0	POWER ON/SEEK
8	8.3	

IC005			
1	0	11	4.86
2	0	12	0
3	0	13	2.44
4	CLK	14	4.87
5	2	15	0
6	0	16	2.43
7	5	17	2.44
8	4.87	18	2.44
9	4.98	19	2.42
10	4.98	20	2.44

IC102	
1	PS
2	0
3	0.6
4	0
5	1.3
6	14.0
7	14.2
8	PS

IC201	
1	4.36
2	4.36
3	4.36
4	4.36
5	5.66
6	5.65
7	0
8	4.37
9	4.37
10	4.37
11	4.37
12	8.63
13	8.6
14	8.74

IC202							
1	4.34	12	4.36	23	NC	34	4.38
2	4.34	13	4.34	24	NC	35	4.38
3	4.34	14	0	25	4.39	36	4.38
4	4.34	15	0.96	26	4.39	37	4.39
5	4.34	16	4.70	27	4.39	38	4.39
6	4.22	17	NC	28	4.39	39	4.39
7	NC	18	3.6	29	4.39	40	4.39
8	NC	19	0	30	4.39	41	4.38
9	NC	20	4.99	31	4.38	42	4.38
10	NC	21	4.99	32	4.38	43	NC
11	4.34	22	8.80	33	4.38	44	NC

IC203									
1	4.40	6	4.40		11	0	16	4.42
2	4.41	7	4.43		12	8.82	17	4.42
3	4.41	8	0		13	4.38	18	4.36
4	4.41	9	4.61/ 0	BBE ON/OFF	14	4.44	19	4.36
5	4.42	10	4.62/ 0	BBE ON/OFF	15	4.41	20	4.37

IC204			
1	0	5	0
2	0	6	0
3	0	7	0
4	0	8	8.63

IC205	
1	4.2
2	0
3	4.2
4	8.6
5	4.2

IC254		
1	2.8	
2	2.8	
3	0	
4	8.35/0	SEEK OFF/ON
5	8.35	

IC270			
1	8.71	9	8
2	3	10	0.75
3	4.5	11	0
4	3	12	7.48
5	3	13	7.5
6	4.5	14	0
7	3	15	0.77
8	8.71	16	8

IC301				
1	0	14	6.9	
2	0	15	7	
3	PS	16	6.9	
4	5	17	6.9	
5	PS	18	0	
6	14.5	19	6.9	
7	PS	20	14.5	
8	0	21	6.9	
9	PS	22	5.3/0	MUTE OFF/ON
10	6.9	23	6.9	
11	7	24	0	
12	6.9	25	NC	
13	0			

IC302	
1	0
2	0
3	NC
4	14
5	14
6	14
7	0
8	0
9	NC
10	NC
11	14.3
12	14.3

IC401										
1	4.5/0	AMB/GRN	21	PS	41	PS	61	PS
2	4.5/0	BLU, GRN/AMB	22	PS	42	PS	62	PS
3	PS		23	PS	43	PS	63	PS
4	PS		24	PS	44	PS	64	PS
5	PS		25	PS	45	PS	65	PS
6	PS		26	PS	46	PS	66	PS
7	PS		27	PS	47	PS	67	PS
8	PS		28	PS	48	PS	68	PS
9	PS		29	PS	49	PS	69	PS
10	PS		30	PS	50	PS	70	4.86
11	PS		31	PS	51	PS	71	3.23
12	PS		32	PS	52	PS	72	1.65
13	PS		33	PS	53	PS	73	0
14	PS		34	PS	54	PS	74	0
15	PS		35	PS	55	PS	75	PS
16	PS		36	PS	56	PS	76	PS
17	PS		37	PS	57	PS	77	PS
18	PS		38	PS	58	PS	78	PS
19	PS		39	PS	59	PS	79	CLK
20	PS		40	PS	60	PS	80	PS

IC402							
1	PS	17	PS	33	PS	49	PS
2	PS	18	PS	34	PS	50	PS
3	PS	19	PS	35	PS	51	PS
4	PS	20	PS	36	PS	52	PS
5	PS	21	PS	37	PS	53	PS
6	PS	22	PS	38	PS	54	PS
7	PS	23	PS	39	PS	55	PS
8	PS	24	PS	40	PS	56	4.86
9	PS	25	PS	41	PS	57	4.89
10	PS	26	PS	42	PS	58	3.23
11	PS	27	PS	43	PS	59	1.64
12	PS	28	PS	44	PS	60	0
13	PS	29	PS	45	PS	61	PS
14	PS	30	PS	46	PS	62	PS
15	PS	31	PS	47	PS	63	PS
16	PS	32	PS	48	PS	64	PS

IC403	
1	4.73
2	PS
3	0
4	0

IC501					
1	NC		51	0/4.93	DIMMER ON/OFF
2	NC		52	NC	
3	NC		53	NC	
4	5		54	0	
5	0/4.91	0Bit MUTE OFF/ON	55	0/4.98	Nose Close/Open
6	PS		56	0/4.98	Nose Open/Close
7	PS		57	4.96/0	BW ON/OFF
8	PS		58	0/4.96	Others/Close Active
9	4.99		59	0/4.96	Others/Open Active
10	CLK		60	0/4.96	Others/Door Open
11	CLK		61	NC	
12	0		62	NC	
13	NC		63	NC	
14	NC		64	PS	
15	4.99		65	CLK	
16	4.98		66	5	
17	4.96		67	PS	
18	NC		68	5	
19	PS		69	4.98	
20	PS		70	0	
21	4.93		71	4.98	
22	NC		72	0	
23	5		73	4.98	
24	5		74	NC	
25	0		75	NC	
26	2.46		76	NC	
27	0		77	NC	
28	PS		78	NC	
29	4.79		79	PS	
30	0		80	PS	
31	0		81	5	
32	0		82	5	
33	0		83	4.98	
34	NC		84	4.98	
35	5		85	4.93	
36	5		86	0	
37	PS		87	PS	
38	PS		88	0/5	Buzzer ON/OFF
39	CLK		89	NC	
40	PS		90	4.96	
41	PS		91	PS	
42	PS		92	NC	
43	PS		93	NC	
44	PS		94	0	
45	PS		95	NC	
46	PS		96	NC	
47	PS		97	NC	
48	PS		98	NC	
49	NC		99	NC	
50	NC		100	0	

IC502									
1	5	21	NC	41	NC	61	0	81	NC
2	NC	22	NC	42	NC	62	0	82	0
3	0	23	0	43	NC	63	PS	83	NC
4	0	24	NC	44	NC	64	0	84	0
5	0	25	NC	45	4.98	65	NC	85	4.95
6	2.01	26	NC	46	4.97	66	NC	86	0
7	CLK	27	NC	47	NC	67	0	87	0
8	0	28	NC	48	NC	68	0	88	0
9	5	29	NC	49	NC	69	0	89	0
10	NC	30	NC	50	5	70	NC	90	0
11	NC	31	NC	51	NC	71	0	91	0
12	NC	32	NC	52	NC	72	0	92	0
13	NC	33	NC	53	PS	73	CLK	93	5
14	NC	34	0	54	PS	74	PS	94	5
15	NC	35	0	55	PS	75	0	95	NC
16	NC	36	0	56	PS	76	0	96	NC
17	NC	37	0	57	PS	77	NC	97	4.95
18	NC	38	0	58	0	78	0	98	NC
19	NC	39	NC	59	0	79	4.66	99	4.87
20	NC	40	NC	60	0	80	4.99	100	NC

IC503	
1	0
2	0
3	0
4	0
5	5
6	5
7	0
8	5

IC801			
1	0	11	0
2	0	12	0
3	0	13	0
4	0	14	NC
5	0	15	4.99
6	2.65	16	5
7	0	17	14.3
8	0	18	0
9	0	19	0
10	0	20	0

IC804	
1	0
2	2.9
3	2
4	0
5	2.5
6	2.1
7	4.94
8	4.94

IC810					
1	NC		14	NC	
2	0		15	0/4.25	Others/Close Active
3	NC		16	NC	
4	0/3.90	Others/MOTOR Active	17	NC	
5	NC		18	NC	
6	0/3.90	Others/Nose Open Active	19	0	
7	0		20	0	
8	0/3.97	Others/Nose Close Active	21	0	
9	NC		22	NC	
10	11.95		23	NC	
11	11.95		24	0/4.2	Others/Open Active
12	NC		25	NC	
13	0				

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	1	2	3	4	5	MODE
Q009	NC	2	4.9	0	0	
Q010	NC	0	0	8.36/0	5/0	POWER ON/OFF
Q105	NC	14	14.1	3.95	0	SOURCE CD/TUNER
Q106	NC	14.2	14.27	4.0	0	SOURCE CD/TUNER
Q201	0/8.7	8.7/0	0/4.47	0	4.47/0	SUB.W ON, LPF・OFF/ON
Q803	NC	4.97	5	8.36	0	
Q804	NC	4.94	5	4.96	0	
Q805	NC	14.2/0	14.27/14.4	4.4/0	0	
Q808	NC	14.2	14.27	4.5	0	
Q814	NC	8.28/1.8	8.35	2.53/0	0	FM/AM
Q825	NC	14.23	0	0	14.28	MUTE OFF/ON
Q828	NC	5	5	4.11	0	

	1	2	3	4	5	6	MODE
Q321	0	0	0	0/6.8	0	0/6.8	MUTE OFF/ON
Q322	0	0	0	0/6.5	0	0/6.6	MUTE OFF/ON
Q323	0	0	0	0/6.5	0	0/6.6	MUTE OFF/ON

	E	C	B	MODE
Q002	0	8.3	0	
Q003	0	0	PS	
Q005	0	0.1	0/2.0	SEEK
Q101	8.82	8.87	8.06/0.7	SOURCE CD/TUNER
Q102	0	0/8.6	3.9/0	CD ON/OFF
Q104	14.23	7.15/0.1	14.2	SOURCE CD/TUNER
Q107	5.14	14.26	5.71	
Q108	5.14	14.26	5.71	
Q202	0	3.6	0	
Q203	0	PS	2.7/0	SEEK
Q254	0	8.31	0/4.7	SEEK OFF/ON
Q401	0	0	0.7	
Q402	0/0	7.4/0	0/0.7	Others/AMBER
Q403	0/0	0.1/0	0.7	Others/Lighting OFF
Q404	0/0	0/2	4.5/0	Others/Lighting OFF
Q405	0/0	0/0	4.5/0	Others/POWER OFF
Q407	8.2	10.6	8.6	
Q501	4.9	PS	PS	
Q502	0	PS	PS	
Q601	4.94	0/5	4.93	IN-INT
Q602	0	4.93	0/10.1	DIMMER OFF/ON
Q603	0	14.27/PS	PS	BUZZER OFF/ON
Q604	0	PS	PS	
Q605	0	PS	PS	
Q606	0	PS	PS	
Q607	4.9	0	4.85	
Q645	0	9.17/0	0/4.96	UNIZON Close/Open
Q801	14.19	14.24/0	14.24	POWER ON/OFF
Q802	0	0/14	4.13/0	POWER ON/OFF

	E	C	B	MODE
Q806	12.25/0	14.3	12.9/0	POWER ON/OFF
Q807	11.9	14.27	12.4	
Q809	8.8/0	14.2/14.4	9.4/0	POWER ON/OFF
Q810	5.68/0	8.93/0	6.3/0	POWER ON/OFF
Q812	8.36	8.29/0	0/8.36	FM/AM
Q813	8.36	0/8.36	8.28/7.6	FM/AM
Q816	13.67/14.28	13.7/0	13/14.25	P.ANT Open/Short GND
Q817	14.25/14.25	0	14.23/0.6	P.ANT Open/Short GND
Q819	0	0/14.26	5.33/0.6	P.ANT Open/Short GND
Q820	0	14.2/0	0/9.72	P.ANT Open/Short GND
Q821	4.94	PS	4.94	Connect CD CHG
Q822	0	PS	0	Connect CD CHG
Q823	5	PS	5	Connect CD CHG
Q824	0	0	4.3	
Q826	0	5.29/0	0/3.8	MUTE OFF/ON
Q840	11.9	14.27	12.4	
Q870	8.36/0	13.79/0	8.96/0	POWER ON/OFF
Q871	5.66/0	8.96/0	6.3/0	POWER ON/OFF
Q872	12.25/0	14.3	12.9/0	POWER ON/OFF

[Measuring Conditions]

• Power Supply Voltage	: DC14.4V
• Measuring Meter	: Digital Multi Meter
• Measuring Point Reference	: Between GND
• Measuring Condition	: FM : 98.1MHz MW : 999KHz CD : at playing Disc

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(CD Deck **Mechanism**)

IC101									
1	0.04V	21	0.02V	41	NC	61	NC	81	0.05V
2	0.2V	22	NC	42	2.83V	62	NC	82	0.05V
3	0.05V	23	2.6V	43	NC	63	0.05V	83	0.05V
4	0.04V	24	1.25V	44	NC	64	0.04V	84	4.93V
5	4.98V	25	1.77V	45	NC	65	0.04V	85	NC
6	NC	26	NC	46	NC	66	5.05V	86	NC
7	NC	27	0.04V	47	0.04V	67	5.05V	87	NC
8	0.04V	28	2.06V	48	NC	68	OSC	88	5.05V
9	5.03V	29	2.5V	49	NC	69	OSC	89	5.03V
10	—	30	2.5V	50	NC	70	0.04V	90	5V
11	—	31	NC	51	0.04V	71	OSC	91	0.02V
12	2.5V	32	2.5V	52	0.04V	72	OSC	92	5.03V
13	NC	33	2.5V	53	0.04V	73	5.05V	93	5.03V
14	NC	34	2.5V	54	0.04V	74	5.01V	94	4.96V
15	2.5V	35	2.5V	55	5.05V	75	0.03V	95	*
16	NC	36	2.5V	56	2.5V	76	0.03V	96	4.96V
17	NC	37	2.2V	57	2.5V	77	0.03V	97	2.51V
18	NC	38	5.03V	58	2.5V	78	5.02V	98	5.02V
19	0.02V	39	0.04V	59	NC	79	0.05V	99	2.51V
20	2.5V	40	0.04V	60	0.04V	80	NC	100	0.03V

NOTE : * : Changing Voltage by Temperature

IC102							
1	2.51V	10	1.73V	19	NC	28	2.38V
2	NC	11	3.01V	20	2.51V	29	—
3	4.95V	12	2.5V	21	4.96V	30	—
4	0.04V	13	3.1V	22	2.48V	31	2.53V
5	2.47V	14	0.05V	23	2.48V	32	2.53V
6	2.84V	15	3.04V	24	2.49V	33	2.53V
7	2.02V	16	0.2V	25	NC	34	2.53V
8	2.83V	17	0.05V	26	2.49V	35	2.53V
9	1.41V	18	0.04V	27	2.49V	36	2.69V

IC103							
1	0.07V	8	6.93V	15	3.14V	22	2.51V
2	2.5V	9	0.06V	16	3.37V	23	2.51V
3	2.5V	10	0.06V	17	3.21V	24	2.49V
4	2.5V	11	2.93V	18	3.24V	25	2.46V
5	2.5V	12	3.62V	19	0.04V	26	2.5V
6	2.5V	13	6.27V	20	2.52V	27	2.5V
7	2.5V	14	3.29V	21	4.96V	28	0.07V

IC104			
1	5.04V	8	0.04V
2	5V	9	2.53V
3	5.03V	10	0.05V
4	0.05V	11	0.04V
5	0.05V	12	0.05V
6	0.04V	13	2.5V
7	0.04V	14	5.04V

IC201	
1	5.03V
2	0.02V
3	8.01V

IC203	
1	2.53V
2	2.5V
3	2.5V
4	0.02V
5	2.5V
6	2.5V
7	2.5V
8	5.02V

	E	C	B
Q101	4.36V	2.55V	3.69V
Q106	0.08V	0.12V	5.05V
Q107	0.12V	5.06V	4.99V

	1	2	3	4	5
Q102	0.09V	2.54V	6.09V	0.08V	5.01V
Q103	0.08V	2.51V	0.08V	0.08V	4.96V
Q105	5.03V	2.51V	5.03V	0.08V	0.07V

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between GND
- Measuring Condition : at playing Disc

Description of IC Terminal

D784218GC : IC501

No.	Symbol	I/O	Terminal Description
1	NC	-	No connect terminal.
2			
3			
4	CD-STBY	O	Stand-by signal output terminal to CD Mechanism μ-COM.
5	O MUTE-DET	I	O MUTE signal input terminal from CD Mechanism.
6	CD-LSI RST	O	Reset signal output terminal to CD Mechanism μ-COM.
7	CD-CS	O	Chip select signal output terminal to CD Mechanism μ-COM.
8	CD-SRQ	I	Communication REQ signal input terminal from CD Mechanism μ-COM.
9	VDD	-	VDD connect terminal.
10	X2	-	Main system Clock OSC circuit connect terminal.
11	X1		
12	VSS	-	GND connect terminal.
13	NC	-	No connect terminal.
14			
15	$\overline{\text{RESET}}$	-	System reset signal terminal.
16	BAT-DET	I	BATT detection signal input terminal.
17	ACC-DET	I	ACC detection signal input terminal.
18	NC	-	No connect terminal.
19	BUS-IN	I	Ai-NET BUS-DATA signal input terminal.
20	BUS-OUT	O	Ai-NET BUS-DATA signal output terminal.
21	IN-SW	I	DISC loading detection switch signal input terminal.
22	NC	-	No connect terminal.
23	AVDD	-	Analog power supply terminal of A/D converter.
24	AVref0	-	Standard voltage input terminal of A/D converter.
25	GND	-	GND connect terminal.
26	NOSE-ON	I	NOSE installation detection signal input terminal.
27	FM/AM SM	I	FM/AM signal meter signal input terminal.
28	AUDIO LEVEL	I	Audio level data signal input terminal.
29	T-SENS	I	Power AMP temperature detection signal input terminal.
30	GND	-	GND connect terminal.
31			
32	AREA	I	Area setting signal input terminal.
33	AVSS	-	GND electric potential terminal of A/D converter.
34	NC	-	No connect terminal.
35	DTS CE	O	Chip enable signal output terminal to DTS μ-COM.
36	AVref1	-	Standard voltage input terminal of A/D converter.
37	DTS STS	I	System status signal input terminal from DTS μ-COM.
38	DTS CMD	O	Serial data signal output terminal to DTS μ-COM.
39	DTS CLK	O	Serial clock signal output terminal to DTS μ-COM.
40	CD-STS	I	Status signal input terminal from CD Mechanism μ-COM.
41	CD-CMD	O	Command signal output terminal to CD Mechanism μ-COM.
42	CD-SCK	O	Clock signal output terminal to CD Mechanism μ-COM.
43	DTS MUTE	I	Mute signal input terminal from DTS μ-COM.
44	LCD-RST	O	Reset signal output terminal to LCD Driver.
45	LCD-DO	I	Serial data signal input terminal from LCD Driver.
46	LCD-DI	O	Serial data signal output terminal to LCD Driver.

No.	Symbol	I/O	Terminal Description
47	LCD-CLK	O	Serial clock signal output terminal to LCD Driver.
48	LCD-CE1	O	Chip enable signal output terminal to LCD Driver.
49	LCD-CE2(NC)	-	No connect terminal.
50	LO/$\overline{\text{DX}}$(NC)		
51	$\overline{\text{IN DIMMER}}$	I	Dimmer control signal input terminal.
52	NC	-	No connect terminal.
53			
54	IN-INT	I	In-Interrupt input terminal.
55	$\overline{\text{LIMIT SW2}}$	I	Movement Nose condition position detetcion signal input terminal.
56	$\overline{\text{LIMIT SW1}}$		
57	BW	O	Switching control signal output terminal of FM Band Width.
58	MOTOR REV	O	Motor control signal output terminal for Movement Nose open/close.
59	MOTOR FOR		
60	DOOR LED	O	LED signal output terminal for Door LED.
61	NC	-	No connect terminal.
~			
63			
64	EV-DATA	O	Serial data signal output terminal of Electrical Volume.
65	EV-CLK	O	Serial clock signal output terminal of Electrical Volume.
66	BBE-1	O	Control output terminal for BBE. (BBE)
67	BBE-2	O	Control output terminal for BBE. (PROCESS)
68	BBE-3	O	Control output terminal for BBE. (LO CONT)
69	LPF1	O	Control signal output terminal for Low Pass Filter.
70	LPF2		
71	$\overline{\text{MUTE}}$	O	Audio Mute signal output terminal.
72	VSS	-	GND connect terminal.
73	MOTOR-CONT	O	Power supply control signal output terminal of Unizon Motor.
74	NC	-	No connect terminal.
~			
78			
79	ENCODER1	I	Encoder signal input terminal.
80	ENCODER2		
81	VDD	-	VDD connect terminal.
82	POWER IC-ON	O	Stand-by control signal output terminal for Power IC.
83	NOSE-PWR	O	Power supply control signal output terminal of LCD Driver.
84	BL-LED ON	O	LED control signal output terminal for LCD backlight.
85	PWR-CONT	O	Power supply control signal output terminal of Audio and Key lighting.
86	60W-CONT	O	Control signal output terminal of 60W AMP.
87	DIMMER-CONT	O	Control signal (PWM) output terminal for Dimmer.
88	BUZZER	O	Guide tone Buzzer signal output terminal.
89	L-CONT(NC)	-	No connect terminal.
90	V-CONT	O	CD power supply control signal output terminal.
91	REMOCON	I	Remote control data input terminal.
92	NC	-	No connect terminal.
93			
94	Vpp	-	GND connect terminal.
95	DOOR SW(NC)	-	No connect terminal.

No.	Symbol	I/O	Terminal Description
96	NC	-	No connect terminal.
≀			
99			
100	$\overline{\text{Auto Adj.}}$(NC)		

MB89689PF : IC502

No.	Symbol	I/O	Terminal Description
1	VCC	-	+5V connect terminal.
2	NC	-	No connect terminal.
3	X0A(GND)	-	GND connect terminal.
4	MOD0(GND)		
5	MOD1(GND)		
6	X0	0	Crystal connect terminal. (8MHz)
7	X1	I	
8	VSS	-	GND connect terminal.
9	$\overline{\text{RESET}}$	I	Reset input terminal. (L : RESET)
10	NC	-	No connect terminal.
≀			
22			
23	$\overline{\text{AM ST}}$(PULL-DOWN)	-	Pull-down connect terminal.
24	NC	-	No connect terminal.
≀			
28			
29	AM $\overline{\text{ST/MO}}$(NC)	-	
30	$\overline{\text{FM DIVER}}$(NC)	-	
31	NC	-	
≀			
33			
34	$\overline{\text{T-MUTE}}$	0	Tuner mute output terminal. (L : MUTE ON)
35	NC(GND)	-	GND connect terminal.
≀			
38			
39	NC	-	No connect terminal.
≀			
44			
45	RxD(PULL-UP)	I	RDS monitor input terminal. (pull-up connect)
46	TxD	0	RDS monitor output terminal.
47	NC	-	No connect terminal.
≀			
49			
50	VCC	-	VCC connect terminal.
51	NC	-	No connect terminal.
52			
53	TUNER CLK	I	Clock input terminal from main μ-COM.
54	TUNER SI	I	Serial input terminal from main μ-COM.
55	TUNER SO	0	Serial output terminal to main μ-COM.
56	RDS SDA	I/0	RDS I2C data input/output terminal.
57	RDS CLK	0	RDS I2C CLK output terminal.

No.	Symbol	I/O	Terminal Description
58	NC(GND)	-	GND connect terminal.
59	VSS		
60	NC(GND)		
≀			
62			
63	I2C DATA	I/O	I2C-BUS IC data input/output terminal.
64	I2C CLK	O	I2C-BUS CLK output terminal.
65	Devider(NC)	-	No connect terminal.
66	Narrow(NC)		
67	$\overline{\text{SEEK Req.}}$	O	Seek speed control (Tuner) terminal. (L : SEEK)
68	NC(GND)	-	GND connect terminal.
69	$\overline{\text{AF HOLD}}$	O	AF HOLD output terminal. (L : tuner setting HOLD)
70	AF HOLD(NC)	-	No connect terminal.
71	IF MUTE	O	IF mute control terminal. (H : MUTE ON)
72	FM/$\overline{\text{AM}}$	O	FM/AM switching terminal. (H : FM)
73	PLL CLK	O	PLL clock output terminal.
74	PLL DATA	I/O	PLL CE output terminal.
75	PLL CE	O	PLL CE output terminal.
76	SEEK Req.	O	Seek speed control (Tuner) terminal. (H : SEEK)
77	RDS RESET(NC)	-	No connect terminal.
78	SD	I	SD (Tuner) input terminal. (H : station ON)
79	$\overline{\text{PSWN}}$	I	Audio signal level detect terminal from RDS Decoder. (L : no station)
80	$\overline{\text{Auto Adj.}}$	I	Auto adjustment terminal. (L : auto adjustment start)
81	TUNER ON(NC)	-	No connect terminal.
82	LO/$\overline{\text{DX}}$	O	Local/DX seek (Tuner) switching terminal. (H : local SEEK)
83	NC	-	No connect terminal.
84	AVSS	-	GND connect terminal.
85	S/M	I	Field strength (A/D, Tuner) input terminal.
86	M/P	I	Multipath rejection (A/D) input terminal.
87	NC(GND)	-	GND connect terminal.
≀			
92			
93	AVCC	-	VCC connect terminal.
94	AVR		
95	NC	-	No connect terminal.
96	RESET(NC)		
97	SUB STBY	I	Stand-by input terminal from main μ-COM.
98	NC	-	No connect terminal.
99	DAVN	I	RDS data available input terminal.
100	NC	-	No connect terminal.

MN662771AB1 : IC101 (DP23S07A)

No.	Symbol	I/O	Terminal Description
1	BDO	I	Drop-Out signal input terminal. H:Drop-Out
2	OFT	I	Off Track signal input terminal. H:Off Track
3	/RFDET	I	RF detect signal input terminal. L:detection
4	VDET	I	Vibration detect signal input terminal. H:detection

No.	Symbol	I/O	Terminal Description
5	LDON	O	Laser ON signal output terminal. H:ON
6	NC	-	No connect terminal.
7			
8	AVSS3	-	GND connect terminal for analog circuit.
9	AVDD3	-	Power supply terminal for analog circuit.
10	FBAL	O	Focus Balance adjustment output terminal.
11	TBAL	O	Tracking Balance adjustment output terminal.
12	FE	I	Focus Error signal input terminal. (Analog input)
13	NC	-	No connect terminal.
14			
15	TE	I	Tracking Error signal input terminal. (Analog input)
16	NC	-	No connect terminal.
≀			
18			
19	RFENV	I	RF Envelope signal input terminal. (Analog input)
20	VREF	I	VREF input terminal.
21	ARF	I	RF signal input terminal. (for DSL)
22	DRF	I	Bias terminal for DSL.
23	DSLF	I/O	Roop Filter terminal for DSL.
24	IREF	I	Reference current input terminal.
25	PLLF	I/O	Roop Filter terminal for PLL.
26	PLLF2	I/O	Characteristic Roop Filter switching terminal for PLL.
27	VCOF	I/O	Roop Filter terminal for VCO.
28	VCOF2	I/O	Digital Servo Processor (33.8688MHz)/Roop Filter terminal for VCO.
29	TRV	O	Traverse compulsion sending output terminal.
30	TVD	O	Traverse drive output terminal.
31	PC	O	Spindle Motor ON output terminal.
32	ECM	O	Spindle Motor driving signal terminal.(compulsion mode output) 3-State
33	ECS	O	Spindle Motor driving signal terminal.(Servo Error signal output)
34	KICK	O	Kick Pulse output terminal. 3-State
35	TRD	O	Tracking Drive output terminal.
36	FOD	O	Focus Drive output terminal.
37	TOFS	O	Tracking Offset adjustment output terminal.
38	AVDD2	-	Power supply terminal for analog circuit(DSL,PLL,AD and DA block).
39	AVSS2	-	GND connect terminal for analog circuit(DSL,PLL,AD and DA block).
40	DVSS2	-	GND connect terminal for digital circuit.
41	EFM/CK384(NC)	-	No connect terminal.
42	PCK/DSLB	O	PLL Sampling Clock output terminal.(fPCK=4.3218MHz) at default:PLL Sampling Clock output/ at fulfillment command:DSL Balance output
43	/CLDCK	O	Sub Code Frame Clock signal output terminal. (fCLDCK=7.35KHz)
44	FCLK	O	Crystal Frame Clock signal output terminal. (fFCLK=7.35KHz)
45	IPFLAG	O	Interpolation Flag signal output terminal. H:Interpolation
46	FLAG	O	Flag signal output terminal.
47	TRCRS	I	Track Cross signal input terminal.
48	STOUT	O	Serial Data output terminal for monitor signal. (SENCE,NFLOCK,NTLOCK···etc.)
49	STLD	O	Load signal output terminal for monitor signal.
50	SMCK	O	Bit Clock signal output terminal for monitor signal. (fSMCK=4.2336MHz)
51	CSEL(GND)	-	GND connect terminal.
52	TEST1(GND)	-	GND connect terminal.
53	TEST2(GND)		

No.	Symbol	I/O	Terminal Description
54	IOSEL(GND)	-	GND connect terminal.
55	/RST	I	Reset input terminal from CD Signal Processor LSI block. (L:Reset)
56	BCLK	0	Bit Clock output terminal for SRDATA.
57	LRCK	0	L/R discrimination signal output terminal.
58	SRDATA	0	Serial Data output terminal.
59	SUBC(NC)	-	No connect terminal.
60	SBCK(GND)	-	GND connect terminal.
61	DQSY(NC)	-	No connect terminal.
62	DEMPH(NC)		
63	TX	0	Digital Audio interface signal output terminal.
64	PSEL(GND)	-	GND connect terminal.
65	MSEL(GND)		
66	SSEL(BATT+5V)	-	BATT+5V connect terminal.
67	DVDD1	-	Power supply terminal for digital circuit.
68	X1	I	Main Clock input terminal. (f=16.9344MHz)
69	X2	0	Main Clock output terminal. (f=16.9344MHz)
70	DVSS1	-	GND connect terminal for digital circuit.
71	OSC1	I	Clock input terminal for μ-COM. (4.19MHz)
72	OSC2	0	Clock output terminal for μ-COM.
73	DVDD2	-	Power supply terminal for digital circuit.
74	SW-A	I	Mecha control SW input terminal. (L:SW ON)
75	SW-B		
76	SW-C		
77	SW-D		
78	LMTSW	I	Pick-Up inner detect SW input terminal. (L:detector)
79	D/OCNT	0	Digital Audio Data control output terminal. (H:D/O ON)
80	RF-GAIN(NC)	-	No connect terminal.
81	LODM+	0	Loading Motor control terminal.
82	LODM-		
83	ZMUTE	0	0 Data signal output terminal.
84	DR-MUTE	0	Servo Driver MUTE signal output terminal. (L:DR MUTE ON)
85	DATA	0	DATA output terminal for Error monitor.
86	LATCH	0	LATCH output terminal for Error monitor.
87	CLOCK	0	CLOCK output terminal for Error monitor.
88	/SRQ	0	Status Request signal output terminal.
89	RST	I	μ-COM block reset terminal.
90	STBY	I	STBY signal input terminal.
91	/CS	I	Communication start/stop signal terminal.
92	CMD	I	Command input terminal.
93	STS	0	Status output terminal.
94	SCK	I	Clock input terminal for communication.
95	TEMP	I	A/D input terminal for temperature detect.
96	VREF+	-	Power supply terminal for A/D converter.
97	OUTR	0	Rch Audio output terminal.
98	AVDD1	-	Power supply terminal for analog circuit. (for Audio output block (for using both as Lch and Rch))
99	OUTL	0	Lch Audio output terminal.
100	AVSS1	-	GND connect terminal for analog circuit. (for Audio output block (for using both as Lch and Rch))

Electrical Parts List

Capacitor : μ F=microfarads,pF=picofarads

Abbreviations

RES.= Resistor
C.F.= Carbon Film
M.F.= Metal Film
M.O.= Metal OxideFilm
M.P.= Metal Plate
TR. = Transistor
TRANS.= Transformer
CP. = Chip

CAP.= Capacitor
ELY.= Electrolytic
CER.= Ceramic
MYL.= Mylar
TAN.= Tantalum
POLY.= Polystyrol
PP. = Polypropylene
PLT.= Polyethylene
PF. = Polyester Film

Symbol No.	Part No.	Description
Main P.W.Board		
IC's		
IC001	51T15731W10	TC7S66F-TE85L -CP
IC002	51T93332F01	IC,NJM2903M-TE3 -SE2
IC005	51T15132Y02	SAA6588T -SE9
IC102	51T15510W01	IC ,MC34063AML -SPD
IC201	51T15456Y01	TC74HC4066AFT-EL-SE5
IC202	51T35457Y01	TDA7402 -QT
IC203	51T15468Y02	NJM2150AV-TE1 -SE2
IC204	51T93333F01	NJM2904M-TE3 -SE2
IC205	51T15605Y01	NJM2130F-TE1 -CP
IC254	51T15731W10	TC7S66F-TE85L -CP
IC270	51T45330Y01	NJM2160AM-TE2 -SE6
IC301	51T35403Y01	TDA7560 -ZS
IC302	51T15426Y02	STK475-010 -IB
IC501	51T45295Y01	IC,D784218GC-060 -QT
IC502	51T15161Y03	IC,MB89689PF-G150-QT
IC503	51T25160Y01	M24C04-WMN6T -SE2
IC801	51T95193W01	TDA3606AT -SE9
IC804	51T93332F01	IC,NJM2903M-TE3 -SE2
IC810	51T25448Y01	BA6219BFP-Y-E2 -SE9
Transistors		
Q002	48T64222F05	TR ,UN2215 10 -TX
Q003	48T64222F01	TR ,UN2211 10-10 -TX
Q005	48T64222F02	TR ,UN2212 22-22 -TX
Q009	48T45594W16	TR,XN1A311-TX -CP
Q010	48T45594W16	TR,XN1A311-TX -CP
Q101	48T52437F05	TR ,2SB709A-S /TX-CP
Q102	48T45251W03	TR ,UN5212 22-22 -CP
Q104	48T15511W02	CP.2SB1261-TE2 -E5
Q105	48T45594W12	TR ,XN1A312 -TX-CP
Q106	48T45594W12	TR ,XN1A312 -TX-CP
Q107	48T69176F02	TR ,2SC3421-Y
Q108	48T69176F02	TR ,2SC3421-Y
Q201	48T45594W08	TR ,XN1212 -TX-CP
Q202	48T64222F02	TR ,UN2212 22-22 -TX
Q203	48T45251W03	TR ,UN5212 22-22 -CP
Q254	48T45251W03	TR ,UN5212 22-22 -CP
Q321	48T25317Y01	TR,XN0F256-TX -CP
Q322	48T25317Y01	TR,XN0F256-TX -CP
Q323	48T25317Y01	TR,XN0F256-TX -CP
Q501	48T64221F11	TR,UN211L-TX -CP
Q502	48T64222F02	TR ,UN2212 22-22 -TX
Q601	48T64221F11	TR,UN211L-TX -CP
Q602	48T64222F02	TR ,UN2212 22-22 -TX
Q603	48T64222F02	TR ,UN2212 22-22 -TX
Q604	48T64222F01	TR ,UN2211 10-10 -TX
Q605	48T64222F01	TR ,UN2211 10-10 -TX
Q606	48T64222F01	TR ,UN2211 10-10 -TX
Q607	48T52437F05	TR ,2SB709A-S /TX-CP
Q645	48T64222F01	TR ,UN2211 10-10 -TX
Q801	48T84366F03	TR,2SB1243-Q-TV2 -RD
Q802	48T64222F11	TR,UN221F-TX -CP
Q803	48T45594W12	TR ,XN1A312 -TX-CP
Q804	48T45594W16	TR,XN1A311-TX -CP
Q805	48T45594W12	TR ,XN1A312 -TX-CP
Q806	48T93828F04	TR,2SD1994A-S-TA -RD
Q807	48T93828F04	TR,2SD1994A-S-TA -RD
Q808	48T45594W12	TR ,XN1A312 -TX-CP
Q809	48T69176F02	TR ,2SC3421-Y
Q810	48T52438F04	TR ,2SD601A-S /TX-CP
Q812	48T64221F13	TR,UN211H-TX -CP
Q813	48T63419F04	TR,CP.2SA1036K-HR-96
Q814	48T45594W16	TR,XN1A311-TX -CP
Q816	48T84366F03	TR,2SB1243-Q-TV2 -RD
Q817	48T64221F13	TR,UN211H-TX -CP
Q819	48T64222F12	TR,UN221L-TX -CP
Q820	48T64222F02	TR ,UN2212 22-22 -TX
Q821	48T52437F05	TR ,2SB709A-S /TX-CP
Q822	48T52438F04	TR ,2SD601A-S /TX-CP
Q823	48T64221F02	TR ,UN2112 22-22 -TX
Q824	48T64222F02	TR ,UN2212 22-22 -TX
Q825	48T45594W12	TR ,XN1A312 -TX-CP
Q826	48T64222F01	TR ,UN2211 10-10 -TX
Q828	48T45594W12	TR ,XN1A312 -TX-CP
Q840	48T93828F04	TR,2SD1994A-S-TA -RD
Q870	48T92368F04	TR,2SD1760 R -E5
Q871	48T52438F04	TR ,2SD601A-S /TX-CP
Q872	48T93828F04	TR,2SD1994A-S-TA -RD

Symbol No.	Part No.	Description
Diodes		
D001	48T15437Y01	DIO,HSM123-TL -CP
D002	48T45254W03	DIO,SI-MA142WK -CP
D003	48T25665Y01	DIO,1SS355-TE17 -CP
D101	48T95572W01	DIO,SHT MA736-TX -E1
D102	48T45254W02	DIO,SI MA142WA-TX-CP
D106	48T25665Y01	DIO,1SS355-TE17 -CP
D199	48T95572W01	DIO,SHT MA736-TX -E1
D201	48T81063F01	DIO,CP.MA159 / TX-CP
D210	48T25665Y01	DIO,1SS355-TE17 -CP
D301	48T95572W01	DIO,SHT MA736-TX -E1
D302	48T95572W01	DIO,SHT MA736-TX -E1
D303	48T95572W01	DIO,SHT MA736-TX -E1
D304	48T95572W01	DIO,SHT MA736-TX -E1
D305	48T95572W01	DIO,SHT MA736-TX -E1
D306	48T95572W01	DIO,SHT MA736-TX -E1
D307	48T95572W01	DIO,SHT MA736-TX -E1
D308	48T95572W01	DIO,SHT MA736-TX -E1
D321	48T45254W02	DIO,SI MA142WA-TX-CP
D351	48T45254W02	DIO,SI MA142WA-TX-CP
D352	48T45254W02	DIO,SI MA142WA-TX-CP
D501	48T25665Y01	DIO,1SS355-TE17 -CP
D502	48T25665Y01	DIO,1SS355-TE17 -CP
D601	48T25651W02	DIO,MA152WK-TX -CP
D602	48T25651W02	DIO,MA152WK-TX -CP
D603	48T25665Y01	DIO,1SS355-TE17 -CP
D801	48T85268W01	DIO,P300G -
D802	48T25665Y01	DIO,1SS355-TE17 -CP
D803	48T25593Y01	DIO,S1G-6601 -E1
D804	48T94335F02	DIO,MA153A-TX -CP
D805	48T25665Y01	DIO,1SS355-TE17 -CP
D806	48T44813F03	DIO,MA165 -R5
D807	48T25651W01	DIO,CP MA152WA
D808	48T25651W02	DIO,MA152WK-TX -CP
D810	48T25593Y01	DIO,S1G-6601 -E1
D811	48T81063F01	DIO,CP.MA159 / TX-CP
D814	48T25665Y01	DIO,1SS355-TE17 -CP
D815	48T25665Y01	DIO,1SS355-TE17 -CP
D824	48T25665Y01	DIO,1SS355-TE17 -CP
ZD171	48T25766W04	DIO,ZEN.HZS 6B1L -R5
ZD801	48T25766W15	DIO,ZEN.HZS 7B3L -R5
ZD802	48T25766W38	DIO,ZEN.HZS12A3L -R5
ZD803	48T25766W24	DIO,ZEN.HZS 9C1L -R5
ZD804	48T25766W02	DIO,ZEN.HZS 6A2L -R5
ZD805	48T25766W36	DIO,ZEN.HZS12A1L -R5
ZD806	48T25801W08	DIO,ZEN.HZS 4BLL -R5
ZD874	48T25766W03	DIO,ZEN.HZS 6A3L -R5

Symbol No.	Part No.	Description
Coils		
L001	24T65172W17	IND,LEM4532 4R7K -E2
L002	24T16403W29	COI,IND.15R-M -CP
L010	24T16403W15	COI,IND.1R0-M K -CP
L011	24T16403W15	COI,IND.1R0-M K -CP
L012	24T16403W07	COI,IND.R22-M K -CP
L013	24T16403W15	COI,IND.1R0-M K -CP
L101	24T15313Y17	IND,CDRH104 221M -E6
L102	24T16271W13	COIL,RCR875D-221K
L501	24T16403W15	COI,IND.1R0-M K -CP
L806	24T16403W23	COI,IND.4R7-M -CP
VT001	24T15267Y01	COIL,7TL -DB
Crystals		
XL001	91T85169W18	XTL,HC-49 4.332M -R5
XL501	91T95084W02	XTL,CS20 12.288M -E9
XL503	91T85169W44	XTL,HC-49 7.3728M-R5
LED's		
LD601	48T65477W05	LED,SML-010DTT87 -CP(ORG)
LD602	48T65477W05	LED,SML-010DTT87 -CP(ORG)
Buzzer		
BZ601	50T85541W01	BUZZER,CD11PA-XZ -H5
Filter		
CF001	91T75257W02	LPF,LPF11830KH-3C-DB
Surge Protector		
SA001	48T81048F02	PTT,DSP-201M -RD
Switch		
SW332	40T45282W02	SW,SLIDE SLD-42-508X (Ai-NET・NORM/(EQ/DIV))

Symbol No.	Part No.	Description
Thermistor		
TH501	48T25250Y01	TMT,ERTJ1VV104J -CP
Capacitors		
C001	08T15399W01	CAP,CER.223K-B1H -CP
C002	08T15399W01	CAP,CER.223K-B1H -CP
C003	08T15399W01	CAP,CER.223K-B1H -CP
C005	08S60102F46	CAP,CER 684K-B1E -CP
C008	08S45676W71	CAP,CER.682K-B1H -CP
C009	08S45677W52	CAP,CER 471J-CH1H-CP
C012	08S60102F40	CAP,CER 224K-B1E -CP
C016	08S45676W65	CAP,CER.222K-B1H -CP
C018	08S45677W48	CAP,CER.331J-CH1H-CP
C019	08S45677W36	CAP,CER.101J-CH1H-CP
C020	08S45676W73	CAP,CER.103K-B1H -CP
C025	08S45677W22	CAP,CER.27RJ-CH1H-CP
C026	08S45677W23	CAP,CER.30RJ-CH1H-CP
C028	08S45676W65	CAP,CER.222K-B1H -CP
C030	08S45677W54	CAP,CER 561J-CH1H-CP
C100	08S82122F61	CAP,CER.102J-CH1H-CP
C101	08S35374W01	CAP,CER 104K-B1E-CP
C102	08S45677W38	CAP,CER 121J-CH1H-CP
C103	08S65128F70	CAP,CER.123K-B1H -CP
C104	08T15399W01	CAP,CER.223K-B1H -CP
C105	08T15399W01	CAP,CER.223K-B1H -CP
C111	08S82122F61	CAP,CER.102J-CH1H-CP
C174	08S82122F65	CAP,CER.152J-CH1H-CP
C201	08T15349Y01	CAP,CER 105K-B1A -CP
C204	08S65128F70	CAP,CER.123K-B1H -CP
C206	08S35374W01	CAP,CER 104K-B1E-CP
C207	08S45677W36	CAP,CER.101J-CH1H-CP
C209	08S82122F61	CAP,CER.102J-CH1H-CP
C210	08S35374W01	CAP,CER 104K-B1E-CP
C211	08T15399W03	CAP,CER.473K-B1H -CP
C212	08S35374W01	CAP,CER 104K-B1E-CP
C216	08S60102F44	CAP,CER 474K-B1E -CP
C218	08S45677W25	CAP,CER 36RJ-CH1H-CP
C220	08T15349Y01	CAP,CER 105K-B1A -CP
C231	08S45676W67	CAP,CER.332K-B1H -CP
C232	08S45676W67	CAP,CER.332K-B1H -CP
C233	08S45676W87	CAP,CER 333K-B1E -CP
C234	08S45676W87	CAP,CER 333K-B1E -CP
C301	08S60102F48	CAP,CER 105K-B1E -CP
C302	08S60102F48	CAP,CER 105K-B1E -CP
C303	08S60102F48	CAP,CER 105K-B1E -CP
C304	08S60102F48	CAP,CER 105K-B1E -CP
C305	08S60102F48	CAP,CER 105K-B1E -CP
C306	08T15399W03	CAP,CER.473K-B1H -CP
C308	08T15399W03	CAP,CER.473K-B1H -CP
C311	08S45676W63	CAP,CER 152K-B1H -CP
C312	08S45676W63	CAP,CER 152K-B1H -CP
C313	08S45677W20	CAP,CER.22RJ-CH1H-CP
C314	08S45677W20	CAP,CER.22RJ-CH1H-CP
C331	08T25628Y03	CAP,TF 224M-1C -CP
C332	08T25628Y03	CAP,TF 224M-1C -CP
C333	08T25628Y03	CAP,TF 224M-1C -CP
C334	08T25628Y03	CAP,TF 224M-1C -CP
C501	08S45677W12	CAP,CER.10RD-CH1H-CP
C502	08S45677W16	CAP,CER.15RJ-CH1H-CP
C503	08T15399W01	CAP,CER.223K-B1H -CP
C504	08S45677W18	CAP,CER.18RJ-CH1H-CP
C505	08S45677W16	CAP,CER.15RJ-CH1H-CP
C506	08T15399W01	CAP,CER.223K-B1H -CP
C507	08S45676W73	CAP,CER.103K-B1H -CP
C508	08T15399W01	CAP,CER.223K-B1H -CP
C601	08T15399W01	CAP,CER.223K-B1H -CP
C602	08S35374W01	CAP,CER 104K-B1E-CP
C603	08S45676W65	CAP,CER.222K-B1H -CP
C604	08S45677W36	CAP,CER.101J-CH1H-CP
C605	08T15399W01	CAP,CER.223K-B1H -CP
C607	08T15399W01	CAP,CER.223K-B1H -CP
C802	08T15399W01	CAP,CER.223K-B1H -CP
C804	08S45676W80	CAP,CER 223K-B1E -CP
C805	08T15399W01	CAP,CER.223K-B1H -CP
C806	08S35374W01	CAP,CER 104K-B1E-CP
C808	08S45677W36	CAP,CER.101J-CH1H-CP
C809	08S45677W22	CAP,CER.27RJ-CH1H-CP
C811	08S60102F44	CAP,CER 474K-B1E -CP
C812	08S60102F44	CAP,CER 474K-B1E -CP
C813	08S65128F71	CAP,CER.153K-B1H -CP
C830	08T15399W01	CAP,CER.223K-B1H -CP
C831	08T55390W34	CAP,TF 274J-1H -R5
C870	08T15399W01	CAP,CER.223K-B1H -CP
C871	08T95466W01	CAP,CER 222K-B2J -CP
C874	08T95466W01	CAP,CER 222K-B2J -CP
E001	23T55521W16	CAP,AK .22R-1C -R2
E002	23T55521W16	CAP,AK .22R-1C -R2
E003	23T55521W16	CAP,AK .22R-1C -R2
E004	23S75373W13	CAP,ELY 1R0-1H -R2
E005	23S75373W02	CAP,ELY 10R-1C -R2
E006	23S75373W13	CAP,ELY 1R0-1H -R2
E007	23T55521W16	CAP,AK .22R-1C -R2
E008	23T55521W16	CAP,AK .22R-1C -R2
E009	23S75373W02	CAP,ELY 10R-1C -R2
E010	23S75373W14	CAP,ELY 2R2-1H -R2

Symbol No.	Part No.	Description
E102	23T55378W03	CAP,KMG 471-1A -R2
E103	23S75372W05	CAP,ELY 22R-1C -R2
E104	23S75372W02	CAP,ELY 101-1A -R2
E105	23T95564W12	CAP,FC 101-1C-E -E6
E141	23S75372W15	CAP,ELY 1R0-1H -R2
E142	23S75372W15	CAP,ELY 1R0-1H -R2
E201	23S75372W15	CAP,ELY 1R0-1H -R2
E202	23S75372W15	CAP,ELY 1R0-1H -R2
E203	23S75372W15	CAP,ELY 1R0-1H -R2
E204	23S75372W15	CAP,ELY 1R0-1H -R2
E207	23S75372W05	CAP,ELY 22R-1C -R2
E208	23S75372W04	CAP,ELY 10R-1C -R2
E209	23S75372W17	CAP,ELY 3R3-1H -R2
E210	23S75372W17	CAP,ELY 3R3-1H -R2
E213	23S75372W04	CAP,ELY 10R-1C -R2
E214	23S75372W04	CAP,ELY 10R-1C -R2
E215	23S75373W14	CAP,ELY 2R2-1H -R2
E216	23S75372W04	CAP,ELY 10R-1C -R2
E217	23S75373W03	CAP,ELY 22R-1C -R2
E218	23S75373W02	CAP,ELY 10R-1C -R2
E219	23S75373W02	CAP,ELY 10R-1C -R2
E231	23S75372W04	CAP,ELY 10R-1C -R2
E232	23S75372W05	CAP,ELY 22R-1C -R2
E234	23S75372W04	CAP,ELY 10R-1C -R2
E235	23S75372W04	CAP,ELY 10R-1C -R2
E240	23S75372W05	CAP,ELY 22R-1C -R2
E305	23S75372W15	CAP,ELY 1R0-1H -R2
E306	23T95115W02	CAP,AD 1R0-1H -R2
E307	23T55378W06	CAP,KMG 47R-1V -R2
E308	23T75346W04	CAP,X-PRO 252-1D +
E309	23T25139Y03	CAP,PW 471-1E +
E310	23T25139Y03	CAP,PW 471-1E +
E313	23S75373W02	CAP,ELY 10R-1C -R2
E314	23T75346W03	CAP,X-PRO 332-1C +
E315	23T95564W41	CAP,FC 471-1C-G -EA
E316	23S75373W07	CAP,ELY 4R7-1V -R2
E317	23S75373W07	CAP,ELY 4R7-1V -R2
E318	23S75373W03	CAP,ELY 22R-1C -R2
E319	23S75373W03	CAP,ELY 22R-1C -R2
E320	23S75373W03	CAP,ELY 22R-1C -R2
E321	23S75373W14	CAP,ELY 2R2-1H -R2
E322	23S75373W14	CAP,ELY 2R2-1H -R2
E323	23S75373W06	CAP,ELY 101-1C -R2
E324	23S75373W06	CAP,ELY 101-1C -R2
E351	23S75373W14	CAP,ELY 2R2-1H -R2
E352	23S75373W14	CAP,ELY 2R2-1H -R2
E353	23S75373W14	CAP,ELY 2R2-1H -R2
E354	23S75373W14	CAP,ELY 2R2-1H -R2
E501	23S75372W03	CAP,ELY 221-1A -H2
E502	23S75372W03	CAP,ELY 221-1A -H2
E503	23S75372W05	CAP,ELY 22R-1C -R2
E504	23S65134W32	CAP,ELY 22R-1C(5)-E3
E601	23T95564W08	CAP,FC 10R-1C-B -E2
E805	23S75373W06	CAP,ELY 101-1C -R2
E806	23S65134W72	CAP,ELY 3R3-1H(4)-E2
E807	23S75372W08	CAP,ELY 101-1C -H2
E808	23S75372W05	CAP,ELY 22R-1C -R2
E809	23S75373W06	CAP,ELY 101-1C -R2
E811	23S75372W04	CAP,ELY 10R-1C -R2
E812	23S75372W07	CAP,ELY 47R-1C -R2
E813	23S75372W18	CAP,ELY 101-1E -H2
E814	23S75372W02	CAP,ELY 101-1A -R2
E815	23S75372W06	CAP,ELY 33R-1C -R2
E818	23S65134W31	CAP,ELY 10R-1C(4)-E2
E821	23S75372W04	CAP,ELY 10R-1C -R2
E822	23T55521W16	CAP,AK .22R-1C -R2
E823	23S65134W62	CAP,ELY R22-1H(3)-E2
E870	23S75372W03	CAP,ELY 221-1A -H2
E871	23S75372W03	CAP,ELY 221-1A -H2

Resistors

Symbol No.	Part No.	Description
L502	06T75432W50	RES,RK JUMPER1/10-CP
R001	06T75433W01	RES,RK 10RJ 1/4 -CP
R003	06T25277Y47	RES,RK 391J 1/16 -CP
R010	06T25277Y95	RES,RK 393J 1/16 -CP
R011	06T25277Y87	RES,RK 183J 1/16 -CP
R012	06T25279Y03	RES,RK 225J 1/16 -CP
R014	06T25277Y97	RES,RK 473J 1/16 -CP
R015	06T25277Y97	RES,RK 473J 1/16 -CP
R016	06T25277Y57	RES,RK 102J 1/16 -CP
R017	06T25277Y57	RES,RK 102J 1/16 -CP
R018	06T25279Y04	RES,RK JUMPER1/16-CP
R019	06T25277Y81	RES,RK 103J 1/16 -CP
R022	06T25277Y89	RES,RK 223J 1/16 -CP
R025	06T25277Y75	RES,RK 562J 1/16 -CP
R026	06T25277Y81	RES,RK 103J 1/16 -CP
R027	06T25277Y93	RES,RK 333J 1/16 -CP
R029	06T25277Y91	RES,RK 273J 1/16 -CP
R030	06T75434W26	RES,RK JUMPER 1/4-CP
R031	06T75434W26	RES,RK JUMPER 1/4-CP
R032	06T75432W50	RES,RK JUMPER1/10-CP
R033	06T75432W50	RES,RK JUMPER1/10-CP
R034	06T25277Y57	RES,RK 102J 1/16 -CP
R035	06T25279Y04	RES,RK JUMPER1/16-CP
R036	06T25277Y43	RES,RK 271J 1/16 -CP
R037	06T25277Y43	RES,RK 271J 1/16 -CP

Symbol No.	Part No.	Description
R038	06T25277Y57	RES,RK 102J 1/16 -CP
R040	06T25277Y65	RES,RK 222J 1/16 -CP
R041	06T25278Y22	RES,RK 474J 1/16 -CP
R042	06T25277Y57	RES,RK 102J 1/16 -CP
R101	06T25277Y90	RES,RK 243J 1/16 -CP
R102	06T25277Y69	RES,RK 332J 1/16 -CP
R104	06T75432W50	RES,RK JUMPER1/10-CP
R111	06T75434W22	RES,RK 2R2J 1/4 -CP
R112	06T75434W22	RES,RK 2R2J 1/4 -CP
R113	06T75433W74	RES,RK 113J 1/4 -CP
R114	06T75433W51	RES,RK 122J 1/4 -CP
R115	06T25277Y97	RES,RK 473J 1/16 -CP
R116	06T75432W50	RES,RK JUMPER1/10-CP
R117	06T75432W50	RES,RK JUMPER1/10-CP
R133	06T75432W50	RES,RK JUMPER1/10-CP
R134	06T25279Y04	RES,RK JUMPER1/16-CP
R143	06T75434W26	RES,RK JUMPER 1/4-CP
R144	06T75434W26	RES,RK JUMPER 1/4-CP
R170	06T75433W25	RES,RK 101J 1/4 -CP
R171	06T75433W43	RES,RK 561J 1/4 -CP
R172	06T75433W43	RES,RK 561J 1/4 -CP
R173	06S15593Y65	RES,RK 472F 1/10 -CP
R174	06S15593Y81	RES,RK 223F 1/10 -CP
R175	06T25278Y22	RES,RK 474J 1/16 -CP
R201	06T25277Y90	RES,RK 243J 1/16 -CP
R203	06T25277Y95	RES,RK 393J 1/16 -CP
R204	06T25277Y65	RES,RK 222J 1/16 -CP
R206	06T25278Y22	RES,RK 474J 1/16 -CP
R207	06T25277Y57	RES,RK 102J 1/16 -CP
R208	06T25277Y57	RES,RK 102J 1/16 -CP
R209	06T25277Y97	RES,RK 473J 1/16 -CP
R210	06T25277Y97	RES,RK 473J 1/16 -CP
R215	06T25277Y77	RES,RK 682J 1/16 -CP
R217	06T25279Y04	RES,RK JUMPER1/16-CP
R218	06T25277Y80	RES RK 912J 1/16 -CP
R219	06T25277Y87	RES,RK 183J 1/16 -CP
R220	06T25277Y81	RES,RK 103J 1/16 -CP
R221	06T25277Y89	RES,RK 223J 1/16 -CP
R222	06T25277Y58	RES,RK 112J 1/16 -CP
R223	06T25277Y58	RES,RK 112J 1/16 -CP
R224	06T25277Y58	RES,RK 112J 1/16 -CP
R225	06T25277Y58	RES,RK 112J 1/16 -CP
R230	06T25277Y97	RES,RK 473J 1/16 -CP
R231	06T25277Y88	RES,RK 203J 1/16 -CP
R232	06T25277Y88	RES,RK 203J 1/16 -CP
R233	06T25277Y88	RES,RK 203J 1/16 -CP
R234	06T25277Y88	RES,RK 203J 1/16 -CP
R235	06T25277Y81	RES,RK 103J 1/16 -CP
R236	06T25277Y81	RES,RK 103J 1/16 -CP

Symbol No.	Part No.	Description
R237	06T25277Y81	RES,RK 103J 1/16 -CP
R256	06T25277Y89	RES,RK 223J 1/16 -CP
R301	06T25277Y81	RES,RK 103J 1/16 -CP
R302	06T75433W90	RES,RK 513J 1/4 -CP
R304	06T75434W19	RES,RK 754J 1/4 -CP
R311	06S15593Y82	RES,RK 243F 1/10 -CP
R312	06S15593Y82	RES,RK 243F 1/10 -CP
R313	06S15593Y86	RES,RK 363F 1/10 -CP
R314	06S15593Y86	RES,RK 363F 1/10 -CP
R321	06T25277Y96	RES,RK 433J 1/16 -CP
R322	06T25277Y96	RES,RK 433J 1/16 -CP
R323	06T75431W43	RES,RK 221J 1/10 -CP
R324	06T75431W43	RES,RK 221J 1/10 -CP
R325	06T75431W35	RES,RK 101J 1/10 -CP
R326	06T75431W35	RES,RK 101J 1/10 -CP
R351	06T25277Y96	RES,RK 433J 1/16 -CP
R352	06T25277Y96	RES,RK 433J 1/16 -CP
R353	06T75431W42	RES,RK 201J 1/10 -CP
R354	06T75431W42	RES,RK 201J 1/10 -CP
R355	06T75431W35	RES,RK 101J 1/10 -CP
R356	06T75431W35	RES,RK 101J 1/10 -CP
R363	06T25277Y96	RES,RK 433J 1/16 -CP
R364	06T25277Y96	RES,RK 433J 1/16 -CP
R365	06T75431W42	RES,RK 201J 1/10 -CP
R367	06T75431W35	RES,RK 101J 1/10 -CP
R368	06T75431W42	RES,RK 201J 1/10 -CP
R370	06T75431W35	RES,RK 101J 1/10 -CP
R371	06T25277Y75	RES,RK 562J 1/16 -CP
R372	06T25277Y75	RES,RK 562J 1/16 -CP
R373	06T25277Y75	RES,RK 562J 1/16 -CP
R374	06T25277Y75	RES,RK 562J 1/16 -CP
R375	06T25277Y75	RES,RK 562J 1/16 -CP
R376	06T25277Y75	RES,RK 562J 1/16 -CP
R385	06T25277Y41	RES,RK 221J 1/16 -CP
R386	06T25277Y41	RES,RK 221J 1/16 -CP
R389	06T25277Y41	RES,RK 221J 1/16 -CP
R390	06T25277Y41	RES,RK 221J 1/16 -CP
R500	06T75431W59	RES,RK 102J 1/10 -CP
R501	06T75431W59	RES,RK 102J 1/10 -CP
R502	06T75431W59	RES,RK 102J 1/10 -CP
R503	06T75431W59	RES,RK 102J 1/10 -CP
R504	06T75431W59	RES,RK 102J 1/10 -CP
R505	06T75431W59	RES,RK 102J 1/10 -CP
R506	06T75431W59	RES,RK 102J 1/10 -CP
R507	06T75431W59	RES,RK 102J 1/10 -CP
R508	06T25278Y23	RES,RK 514J 1/16 -CP
R509	06T25278Y27	RES,RK 754J 1/16 -CP
R510	06S15593Y53	RES,RK 152F 1/10 -CP
R511	06T75431W59	RES,RK 102J 1/10 -CP

Symbol No.	Part No.	Description
R512	06T25277Y57	RES,RK 102J 1/16 -CP
R513	06T25277Y81	RES,RK 103J 1/16 -CP
R514	06T25277Y57	RES,RK 102J 1/16 -CP
R515	06T25277Y57	RES,RK 102J 1/16 -CP
R516	06T25277Y57	RES,RK 102J 1/16 -CP
R517	06T25277Y57	RES,RK 102J 1/16 -CP
R519	06T25277Y83	RES,RK 123J 1/16 -CP
R520	06T25278Y06	RES,RK 104J 1/16 -CP
R521	06T75432W50	RES,RK JUMPER1/10-CP
R522	06T25277Y57	RES,RK 102J 1/16 -CP
R523	06T25277Y57	RES,RK 102J 1/16 -CP
R524	06T25277Y57	RES,RK 102J 1/16 -CP
R525	06T75434W14	RES,RK 474J 1/4 -CP
R526	06S15593Y55	RES,RK 182F 1/10 -CP
R529	06T25277Y97	RES,RK 473J 1/16 -CP
R530	06T25277Y97	RES,RK 473J 1/16 -CP
R531	06T75432W50	RES,RK JUMPER1/10-CP
R532	06T75432W50	RES,RK JUMPER1/10-CP
R533	06T25277Y57	RES,RK 102J 1/16 -CP
R534	06T25277Y57	RES,RK 102J 1/16 -CP
R535	06T25277Y57	RES,RK 102J 1/16 -CP
R536	06T25277Y81	RES,RK 103J 1/16 -CP
R537	06T25277Y81	RES,RK 103J 1/16 -CP
R541	06T25277Y57	RES,RK 102J 1/16 -CP
R542	06T25277Y77	RES,RK 682J 1/16 -CP
R543	06T25277Y81	RES,RK 103J 1/16 -CP
R544	06T25277Y89	RES,RK 223J 1/16 -CP
R549	06T25277Y57	RES,RK 102J 1/16 -CP
R550	06T25277Y89	RES,RK 223J 1/16 -CP
R551	06T25277Y73	RES,RK 472J 1/16 -CP
R552	06T25277Y57	RES,RK 102J 1/16 -CP
R553	06T25277Y89	RES,RK 223J 1/16 -CP
R554	06T25277Y81	RES,RK 103J 1/16 -CP
R555	06T25277Y81	RES,RK 103J 1/16 -CP
R559	06T25277Y81	RES,RK 103J 1/16 -CP
R560	06T25277Y89	RES,RK 223J 1/16 -CP
R561	06T75433W33	RES,RK 221J 1/4 -CP
R562	06T25277Y89	RES,RK 223J 1/16 -CP
R563	06T25277Y89	RES,RK 223J 1/16 -CP
R571	06T25277Y57	RES,RK 102J 1/16 -CP
R572	06T25277Y57	RES,RK 102J 1/16 -CP
R573	06T25277Y57	RES,RK 102J 1/16 -CP
R580	06T25277Y97	RES,RK 473J 1/16 -CP
R582	06T25277Y57	RES,RK 102J 1/16 -CP
R592	06T25277Y57	RES,RK 102J 1/16 -CP
R599	06T25277Y97	RES,RK 473J 1/16 -CP
R601	06T75433W73	RES,RK 103J 1/4 -CP
R602	06T25277Y97	RES,RK 473J 1/16 -CP
R603	06T75433W73	RES,RK 103J 1/4 -CP

Symbol No.	Part No.	Description
R604	06T25277Y81	RES,RK 103J 1/16 -CP
R605	06T75433W49	RES,RK 102J 1/4 -CP
R606	06T75431W83	RES,RK 103J 1/10 -CP
R607	06T75433W25	RES,RK 101J 1/4 -CP
R608	06T25277Y65	RES,RK 222J 1/16 -CP
R609	06T25277Y69	RES,RK 332J 1/16 -CP
R610	06T25277Y81	RES,RK 103J 1/16 -CP
R611	06T25277Y89	RES,RK 223J 1/16 -CP
R612	06T25277Y57	RES,RK 102J 1/16 -CP
R613	06T75433W13	RES,RK 33RJ 1/4 -CP
R614	06T75433W13	RES,RK 33RJ 1/4 -CP
R615	06T75433W13	RES,RK 33RJ 1/4 -CP
R616	06T75433W13	RES,RK 33RJ 1/4 -CP
R617	06T75433W13	RES,RK 33RJ 1/4 -CP
R618	06T75433W13	RES,RK 33RJ 1/4 -CP
R619	06T25277Y97	RES,RK 473J 1/16 -CP
R620	06T25277Y97	RES,RK 473J 1/16 -CP
R621	06T25277Y89	RES,RK 223J 1/16 -CP
R622	06T25277Y89	RES,RK 223J 1/16 -CP
R623	06T25277Y89	RES,RK 223J 1/16 -CP
R655	06T75433W39	RES,RK 391J 1/4 -CP
R801	06T75433W82	RES,RK 243J 1/4 -CP
R802	06T25590Y02	RES,RS 561J 1W -
R804	06T25278Y24	RES,RK 564J 1/16 -CP
R806	06T75433W65	RES,RK 472J 1/4 -CP
R807	06T75433W65	RES,RK 472J 1/4 -CP
R808	06T25277Y57	RES,RK 102J 1/16 -CP
R809	06T25277Y81	RES,RK 103J 1/16 -CP
R811	06T75431W59	RES,RK 102J 1/10 -CP
R812	06T25277Y99	RES,RK 563J 1/16 -CP
R813	06T75433W31	RES,RK 181J 1/4 -CP
R814	06T75434W22	RES,RK 2R2J 1/4 -CP
R815	06T75433W33	RES,RK 221J 1/4 -CP
R817	06T75434W22	RES,RK 2R2J 1/4 -CP
R818	06T75434W22	RES,RK 2R2J 1/4 -CP
R819	06T75433W47	RES,RK 821J 1/4 -CP
R824	06T75433W54	RES,RK 162J 1/4 -CP
R826	06T25277Y83	RES,RK 123J 1/16 -CP
R831	06T25277Y69	RES,RK 332J 1/16 -CP
R832	06T75433W49	RES,RK 102J 1/4 -CP
R833	06T75433W73	RES,RK 103J 1/4 -CP
R837	06T75431W92	RES,RK 243J 1/10 -CP
R838	06T75433W55	RES,RK 182J 1/4 -CP
R839	06T75433W55	RES,RK 182J 1/4 -CP
R840	06T25590Y03	RES,RS 2R2J 1W -
R847	06T75431W83	RES,RK 103J 1/10 -CP
R850	06T25277Y61	RES,RK 152J 1/16 -CP
R851	06T25277Y65	RES,RK 222J 1/16 -CP
R853	06T25277Y65	RES,RK 222J 1/16 -CP

Symbol No.	Part No.	Description
R854	06T25277Y61	RES,RK 152J 1/16 -CP
R855	06T75433W01	RES,RK 10RJ 1/4 -CP
R856	06T75433W15	RES,RK 39RJ 1/4 -CP
R857	06T75433W15	RES,RK 39RJ 1/4 -CP
R858	06T75433W15	RES,RK 39RJ 1/4 -CP
R859	06T75433W15	RES,RK 39RJ 1/4 -CP
R860	06T25277Y59	RES,RK 122J 1/16 -CP
R861	06T25277Y73	RES,RK 472J 1/16 -CP
R862	06T25277Y77	RES,RK 682J 1/16 -CP
R863	06T25277Y81	RES,RK 103J 1/16 -CP
R864	06T25277Y81	RES,RK 103J 1/16 -CP
R865	06T25277Y81	RES,RK 103J 1/16 -CP
R866	06T25277Y81	RES,RK 103J 1/16 -CP
R867	06T25277Y77	RES,RK 682J 1/16 -CP
R868	06T25277Y84	RES,RK 133J 1/16 -CP
R869	06T25277Y85	RES,RK 153J 1/16 -CP
R870	06T25277Y83	RES,RK 123J 1/16 -CP
R872	06T75433W35	RES,RK 271J 1/4 -CP
R873	06T75433W35	RES,RK 271J 1/4 -CP
R874	06T25277Y90	RES,RK 243J 1/16 -CP
R875	06T75433W41	RES,RK 471J 1/4 -CP
R876	06S15593Y55	RES,RK 182F 1/10 -CP
R877	06S15593Y67	RES,RK 562F 1/10 -CP
R878	06T25277Y97	RES,RK 473J 1/16 -CP
R879	06T25277Y81	RES,RK 103J 1/16 -CP
R881	06T75434W22	RES,RK 2R2J 1/4 -CP
R882	06T75431W83	RES,RK 103J 1/10 -CP
R889	06T75432W50	RES,RK JUMPER1/10-CP
RA506	06S45591W06	RES,ARY MNR102J 4-CP
RA507	06S45591W06	RES,ARY MNR102J 4-CP
RA508	06S45591W06	RES,ARY MNR102J 4-CP
RA510	06S45591W06	RES,ARY MNR102J 4-CP
RA511	06S45591W06	RES,ARY MNR102J 4-CP
Connectors		
CB330	09T25436Y06	WTB,53253-0610 -DB
CB331	09T25436Y03	WTB,53253-0310 -DB
CB501	09T45434W15	FFC,52271-1590 -ED
CB601	09T25436Y02	WTB,53253-0210 -DB
CB802	09T25738Y05	WTB,53254-0510 -DB
CB803	09T25738Y03	WTB,53254-0310 -DB
CH101	09T25684Y22	FFC,SLW22R-1C7 -DB

Symbol No.	Part No.	Description
Front P.W.Board		
IC's		
IC401	51T85152W01	LC75883 -QT
IC402	51T15186Y01	LC75823W -QT
IC403	51T35614Y01	SBX3050-02 -NE5
Transistors		
Q401	48T63788F04	TR ,CP.2SD1328-T -TX
Q402	48T63788F04	TR ,CP.2SD1328-T -TX
Q403	48T63788F04	TR ,CP.2SD1328-T -TX
Q404	48T64222F01	TR ,UN2211 10-10 -TX
Q405	48T64222F01	TR ,UN2211 10-10 -TX
Q407	48T73023F01	TR ,2SD874A -E2
Diodes		
D401	48T81063F01	DIO,CP.MA159 / TX-CP
D402	48T94471F01	TR , IMN10
D405	48T85357W01	DIO,1PS226 -CP
D406	48T85357W01	DIO,1PS226 -CP
D407	48T85357W01	DIO,1PS226 -CP
D408	48T85357W01	DIO,1PS226 -CP
D409	48T85357W01	DIO,1PS226 -CP
D411	48T25651W02	DIO,MA152WK-TX -CP
D450	48T44813F03	DIO,MA165 -R5
ZD401	48T84735F21	DIO,ZEN.MA3082-H -CP
ZD402	48T15541Y23	DIO,ZEN MAZS180 -CP
ZD403	48T15541Y23	DIO,ZEN MAZS180 -CP
ZD404	48T15541Y23	DIO,ZEN MAZS180 -CP
ZD407	48T15541Y23	DIO,ZEN MAZS180 -CP
ZD408	48T62934F26	DIO,ZEN.RD6.2MB3 -CP
ZD409	48T62934F26	DIO,ZEN.RD6.2MB3 -CP
LED's		
LD401	48T25534Y02	LED,RED BR1111C -CP
LD402	48T25534Y10	LED,YEL FY1111C -CP
LD403	48T25534Y10	LED,YEL FY1111C -CP
LD404	48T25534Y10	LED,YEL FY1111C -CP
LD405	48T25534Y03	LED,AMB AA1111C -CP
LD406	48T25534Y03	LED,AMB AA1111C -CP
LD407	48T25534Y03	LED,AMB AA1111C -CP
LD408	48T25534Y03	LED,AMB AA1111C -CP
LD409	48T25534Y03	LED,AMB AA1111C -CP

Symbol No.	Part No.	Description
LD410	48T25534Y03	LED,AMB AA1111C -CP
LD411	48T25534Y03	LED,AMB AA1111C -CP
LD412	48T25534Y03	LED,AMB AA1111C -CP
LD413	48T25534Y03	LED,AMB AA1111C -CP
LD414	48T25534Y03	LED,AMB AA1111C -CP
LD415	48T25534Y03	LED,AMB AA1111C -CP
LD416	48T25534Y03	LED,AMB AA1111C -CP
LD417	48T25534Y03	LED,AMB AA1111C -CP
LD418	48T25534Y03	LED,AMB AA1111C -CP
LD419	48T25534Y03	LED,AMB AA1111C -CP
LD420	48T25534Y03	LED,AMB AA1111C -CP
LD421	48T25534Y03	LED,AMB AA1111C -CP
LD422	48T25534Y03	LED,AMB AA1111C -CP
LD423	48T25534Y03	LED,AMB AA1111C -CP
LD424	48T25534Y03	LED,AMB AA1111C -CP
LD425	48T25534Y03	LED,AMB AA1111C -CP
LD426	48T45280Y01	LED,WHT NSCWS405T-E2
LD427	48T45280Y01	LED,WHT NSCWS405T-E2
LD428	48T45280Y01	LED,WHT NSCWS405T-E2
LD429	48T45280Y01	LED,WHT NSCWS405T-E2
LD430	48T45280Y01	LED,WHT NSCWS405T-E2
LD431	48T45280Y01	LED,WHT NSCWS405T-E2
LD432	48T25534Y01	LED,GRN BG1111C -CP
LD433	48T25534Y01	LED,GRN BG1111C -CP
LD434	48T25534Y01	LED,GRN BG1111C -CP
LD435	48T25534Y01	LED,GRN BG1111C -CP
LD440	48T25534Y01	LED,GRN BG1111C -CP
LD441	48T25534Y01	LED,GRN BG1111C -CP
LD442	48T25534Y01	LED,GRN BG1111C -CP
LD443	48T25534Y01	LED,GRN BG1111C -CP
LD444	48T25534Y01	LED,GRN BG1111C -CP
LD445	48T25534Y01	LED,GRN BG1111C -CP

Switches

Symbol No.	Part No.	Description
SW401	40T55656W06	SW,TACT SKQMAJ001-E2(SOURCE/POWER)
SW402	40T55656W06	SW,TACT SKQMAJ001-E2(FWD/UP)
SW403	40T55656W06	SW,TACT SKQMAJ001-E2(X-OVER)
SW404	40T25004Y01	SW,TACT SKQYPB -E2(3/PTY)
SW405	40T55656W06	SW,TACT SKQMAJ001-E2 (PLAY/PAUSE/TUNE/A.ME)
SW406	40T25004Y01	SW,TACT SKQYPB -E2(TITLE)
SW407	40T25004Y01	SW,TACT SKQYPB -E2 (4/R.TEXT/M.I.X.)
SW408	40T55656W06	SW,TACT SKQMAJ001-E2(BAND/T.S.M.)
SW409	40T55656W06	SW,TACT SKQMAJ001-E2(T.INFO)
SW410	40T25004Y01	SW,TACT SKQYPB -E2(F/SET UP)
SW411	40T55656W06	SW,TACT SKQMAJ001-E2(DISP)
SW412	40T55656W06	SW,TACT SKQMAJ001-E2(B-FWD/DEFEAT)
SW413	40T25004Y01	SW,TACT SKQYPB -E2(1/AF)
SW414	40T25004Y01	SW,TACT SKQYPB -E2(5/REPEAT)
SW415	40T25004Y01	SW,TACT SKQYPB -E2(EJECT)
SW416	40T55656W06	SW,TACT SKQMAJ001-E2(BWD/DN)
SW417	40T55656W06	SW,TACT SKQMAJ001-E2(CENTERf)
SW418	40T25004Y01	SW,TACT SKQYPB -E2(2/P.PTY)
SW419	40T25004Y01	SW,TACT SKQYPB -E2(6/SCAN)
SW420	40T25004Y01	SW,TACT SKQYPB -E2(ANGLE▲▼)
SW422	40T55656W06	SW,TACT SKQMAJ001-E2(RESET)

Lamps

Symbol No.	Part No.	Description
PL401	65T35324Y02	LAMP,GRN 6-80 -E5
PL402	65T35324Y02	LAMP,GRN 6-80 -E5
PL403	65T35324Y02	LAMP,GRN 6-80 -E5
PL404	65T35324Y02	LAMP,GRN 6-80 -E5

Capacitors

Symbol No.	Part No.	Description
C401	08S53332F62	CAP,CP .473-K-B -CP
C402	08S82122F61	CAP,CER.102J-CH1H-CP
C403	08T15399W03	CAP,CER.473K-B1H -CP
C404	08T15399W03	CAP,CER.473K-B1H -CP
C405	08S53332F62	CAP,CP .473-K-B -CP
C406	08T15399W03	CAP,CER.473K-B1H -CP
C407	08T15399W03	CAP,CER.473K-B1H -CP
C408	08S82122F57	CAP,CER.681J-CH1H-CP
C409	08T15349Y01	CAP,CER 105K-B1A -CP
C411	08S45677W42	CAP,CER.181J-CH1H-CP
C412	08S45677W42	CAP,CER.181J-CH1H-CP
C413	08S45677W42	CAP,CER.181J-CH1H-CP
C414	08S45677W42	CAP,CER.181J-CH1H-CP
C415	08S45677W42	CAP,CER.181J-CH1H-CP
C416	08S45677W42	CAP,CER.181J-CH1H-CP
C417	08T15399W01	CAP,CER.223K-B1H -CP
E402	23S55311W42	CAP,TAN.4R7-1D-B -CP

Resistors

Symbol No.	Part No.	Description
R400	06T75433W75	RES,RK 123J 1/4 -CP
R401	06T75431W59	RES,RK 102J 1/10 -CP
R402	06T75431W59	RES,RK 102J 1/10 -CP
R403	06T75431W59	RES,RK 102J 1/10 -CP
R404	06T75431W59	RES,RK 102J 1/10 -CP
R405	06T75431W47	RES,RK 331J 1/10 -CP
R406	06T75431W59	RES,RK 102J 1/10 -CP

Symbol No.	Part No.	Description
R407	06T75431W59	RES,RK 102J 1/10 -CP
R409	06T75433W03	RES,RK 12RJ 1/4 -CP
R410	06T75433W08	RES,RK 20RJ 1/4 -CP
R411	06T75433W44	RES,RK 621J 1/4 -CP
R412	06T75433W39	RES,RK 391J 1/4 -CP
R413	06T75433W39	RES,RK 391J 1/4 -CP
R414	06T75433W39	RES,RK 391J 1/4 -CP
R415	06T75433W43	RES,RK 561J 1/4 -CP
R416	06T75433W35	RES,RK 271J 1/4 -CP
R417	06T75433W25	RES,RK 101J 1/4 -CP
R418	06T75433W25	RES,RK 101J 1/4 -CP
R419	06T75433W25	RES,RK 101J 1/4 -CP
R420	06T75431W67	RES,RK 222J 1/10 -CP
R421	06T75431W67	RES,RK 222J 1/10 -CP
R422	06T75433W21	RES,RK 68RJ 1/4 -CP
R423	06T75431W67	RES,RK 222J 1/10 -CP
R427	06T25277Y96	RES,RK 433J 1/16 -CP
R429	06T25277Y57	RES,RK 102J 1/16 -CP
R438	06T25277Y57	RES,RK 102J 1/16 -CP
R439	06T25277Y96	RES,RK 433J 1/16 -CP
R443	06T75432W08	RES,RK 104J 1/10 -CP
R444	06T75431W75	RES,RK 472J 1/10 -CP
R446	06T75431W35	RES,RK 101J 1/10 -CP
R448	06T25277Y57	RES,RK 102J 1/16 -CP
R450	06T75433W32	RES,RK 201J 1/4 -CP
R451	06T75433W33	RES,RK 221J 1/4 -CP
R452	06T75433W49	RES,RK 102J 1/4 -CP
R454	06T75433W32	RES,RK 201J 1/4 -CP
R455	06T75433W33	RES,RK 221J 1/4 -CP
R456	06T75434W26	RES,RK JUMPER 1/4-CP
R468	06T75433W36	RES,RK 301J 1/4 -CP
R469	06T75433W36	RES,RK 301J 1/4 -CP
R471	06T75434W26	RES,RK JUMPER 1/4-CP
R474	06T75433W01	RES,RK 10RJ 1/4 -CP
R475	06T75433W60	RES,RK 302J 1/4 -CP
R476	06T75433W41	RES,RK 471J 1/4 -CP
R480	06T75432W50	RES,RK JUMPER1/10-CP
RA401	06S45591W06	RES,ARY MNR102J 4-CP
RA402	06S45591W06	RES,ARY MNR102J 4-CP
RA403	06S45591W06	RES,ARY MNR102J 4-CP
RA404	06S45591W06	RES,ARY MNR102J 4-CP

Symbol No.	Part No.	Description
DP-S Main P.W.Board		
IC's		
IC101	51T25729Y05	MN662771AB1 -QT
IC102	51T35372Y01	AN8882SB-E1 -SEA
IC103	51T25503Y01	BA5985FM-E2 -SEA
IC104	51T15194Y01	TC74VHCT08AFT-EL-SE5
IC201	51T11054W02	NJM78L05UA-TE1 -NE2
IC203	51T16025W01	IC,NJM2100M-TE3-SE03
Transistors		
Q101	48T80611F01	CP.2SB1132-QR-101-E3
Q102	48T73888F08	TR ,CP.FMG1-99
Q103	48T73888F08	TR ,CP.FMG1-99
Q105	48T73888F12	TR ,CP.FMC2-99
Q106	48T94875F06	DTB,CP-113ZK-96
Q107	48T94606F03	TR,DTC124EUA-T106-CP
Diode		
D101	48T81063F01	DIO,CP.MA159 / TX-CP
Crystals		
CL102	91T75576W01	OSC,CER EF0S4194E-E5
XL101	91T35227Y01	XTL,CS10 16.9344M-E2
Thermistor		
TH101	48T25250Y01	TMT,ERTJ1VV104J -CP
Capacitors		
C101	08S65128F78	CAP,CER.223K-B1H -CP
C102	08S65128F90	CAP,CER 473K-B1H -CP
C104	08S65128F78	CAP,CER.223K-B1H -CP
C105	08S65128F64	CAP,CER.392K-B1H -CP
C106	08T15349Y01	CAP,CER 105K-B1A -CP
C108	08S65128F79	CAP,CER.273K-B1H -CP
C109	08S65128F79	CAP,CER.273K-B1H -CP
C110	08S65128F65	CAP,CER.472K-B1H -CP
C111	08S65128F61	CAP,CER.222K-B1H -CP
C112	08S12453W04	CAP,CER 331G-CH1H-CP

Symbol No.	Part No.	Description
C114	08S65128F67	CAP, CER. 682K-B1H -CP
C115	08S65128F78	CAP, CER. 223K-B1H -CP
C120	08S82122F55	CAP, CER. 561J-CH1H-CP
C121	08S35374W01	CAP, CER 104K-B1E-CP
C122	08S82122F42	CAP, CER. 161J-CH1H-CP
C123	08S82122F33	CAP, CER. 68RJ-CH1H-CP
C124	08S65128F78	CAP, CER. 223K-B1H -CP
C125	08S65128F66	CAP, CER. 562K-B1H -CP
C126	08S35374W01	CAP, CER 104K-B1E-CP
C127	08S35374W01	CAP, CER 104K-B1E-CP
C129	08S65128F60	CAP, CER. 182K-B1H -CP
C131	08S82122F37	CAP, CER. 101J-CH1H-CP
C133	08S35374W01	CAP, CER 104K-B1E-CP
C134	08S65128F78	CAP, CER. 223K-B1H -CP
C135	08S65128F78	CAP, CER. 223K-B1H -CP
C136	08S65128F78	CAP, CER. 223K-B1H -CP
C137	08S35374W01	CAP, CER 104K-B1E-CP
C138	08T55487W02	CAP, CER. 224K-B1C -CP
C139	08S65128F78	CAP, CER. 223K-B1H -CP
C140	08S65128F78	CAP, CER. 223K-B1H -CP
C141	08S35374W01	CAP, CER 104K-B1E-CP
C146	08S53332F67	CAP, CER. 104K-B1H -CP
C147	08S65128F78	CAP, CER. 223K-B1H -CP
C148	08S65128F57	CAP, CER. 102K-B1H -CP
C149	08S65128F41	CAP, CER. 181J-SL1H-CP
C150	08S65128F59	CAP, CER. 152K-B1H -CP
C151	08S65128F69	CAP, CER. 103K-B1H -CP
C153	08S35374W01	CAP, CER 104K-B1E-CP
C201	08S82122F59	CAP, CER. 821J-CH1H-CP
C202	08S82122F59	CAP, CER. 821J-CH1H-CP
C203	08S82122F47	CAP, CER. 271J-CH1H-CP
C204	08S82122F47	CAP, CER. 271J-CH1H-CP
C207	08S82122F41	CAP, CER. 151J-CH1H-CP
C208	08S82122F41	CAP, CER. 151J-CH1H-CP
C209	08S45677W18	CAP, CER. 18RJ-CH1H-CP
C210	08S45677W18	CAP, CER. 18RJ-CH1H-CP
E101	23S55311W35	CAP, TAN 10R-1C-B -CP
E102	23T85373W03	CAP, ECAR 47R-05-C-E5
E103	23T85373W03	CAP, ECAR 47R-05-C-E5
E104	23T85373W06	CAP, RA 4R7-1V-B -E5
E106	23T85373W05	CAP, ECAR 10R-1C-C-E5
E107	23S55311W35	CAP, TAN 10R-1C-B -CP
E108	23S55311W35	CAP, TAN 10R-1C-B -CP
E110	23S55311W35	CAP, TAN 10R-1C-B -CP
E111	23T85373W03	CAP, ECAR 47R-05-C-E5
E112	23T85373W04	CAP, RA 22R-0J-B -E5
E113	23T85373W05	CAP, ECAR 10R-1C-C-E5
E201	23T85373W04	CAP, RA 22R-0J-B -E5
E202	23T85373W04	CAP, RA 22R-0J-B -E5
E203	23T85373W04	CAP, RA 22R-0J-B -E5

Resistors

Symbol No.	Part No.	Description
R101	06T25277Y82	RES, RK 113J 1/16 -CP
R102	06T25279Y04	RES, RK JUMPER1/16-CP
R103	06T25279Y04	RES, RK JUMPER1/16-CP
R104	06T25277Y82	RES, RK 113J 1/16 -CP
R105	06T75433W01	RES, RK 10RJ 1/4 -CP
R106	06T25277Y97	RES, RK 473J 1/16 -CP
R107	06T75433W03	RES, RK 12RJ 1/4 -CP
R108	06T25277Y93	RES, RK 333J 1/16 -CP
R109	06T25277Y97	RES, RK 473J 1/16 -CP
R110	06T25277Y99	RES, RK 563J 1/16 -CP
R111	06T25279Y04	RES, RK JUMPER1/16-CP
R112	06T25277Y81	RES, RK 103J 1/16 -CP
R113	06T25277Y99	RES, RK 563J 1/16 -CP
R114	06T25278Y14	RES, RK 224J 1/16 -CP
R115	06T25278Y15	RES, RK 244J 1/16 -CP
R116	06T25277Y97	RES, RK 473J 1/16 -CP
R120	06T25277Y74	RES, RK 512J 1/16 -CP
R121	06T25277Y88	RES, RK 203J 1/16 -CP
R122	06T25277Y81	RES, RK 103J 1/16 -CP
R123	06T25277Y87	RES, RK 183J 1/16 -CP
R124	06T25277Y33	RES, RK 101J 1/16 -CP
R125	06T25277Y97	RES, RK 473J 1/16 -CP
R126	06T25277Y92	RES, RK 303J 1/16 -CP
R127	06T25277Y98	RES, RK 513J 1/16 -CP
R128	06T25277Y67	RES, RK 272J 1/16 -CP
R129	06T25278Y20	RES, RK 394J 1/16 -CP
R130	06T25277Y97	RES, RK 473J 1/16 -CP
R131	06T25279Y04	RES, RK JUMPER1/16-CP
R132	06T25279Y04	RES, RK JUMPER1/16-CP
R133	06T25277Y57	RES, RK 102J 1/16 -CP
R134	06T25277Y65	RES, RK 222J 1/16 -CP
R141	06T25277Y33	RES, RK 101J 1/16 -CP
R149	06T25277Y50	RES, RK 511J 1/16 -CP
R150	06T25278Y20	RES, RK 394J 1/16 -CP
R151	06T25277Y98	RES, RK 513J 1/16 -CP
R152	06T25277Y81	RES, RK 103J 1/16 -CP
R153	06T25277Y93	RES, RK 333J 1/16 -CP
R154	06T25277Y81	RES, RK 103J 1/16 -CP
R155	06T25277Y33	RES, RK 101J 1/16 -CP
R156	06T25277Y33	RES, RK 101J 1/16 -CP
R157	06T25277Y89	RES, RK 223J 1/16 -CP
R158	06T25277Y85	RES, RK 153J 1/16 -CP
R159	06T25277Y81	RES, RK 103J 1/16 -CP
R160	06T25279Y04	RES, RK JUMPER1/16-CP

Symbol No.	Part No.	Description
R161	06T25277Y67	RES, RK 272J 1/16 -CP
R162	06T25278Y14	RES, RK 224J 1/16 -CP
R163	06T25277Y49	RES, RK 471J 1/16 -CP
R164	06T25278Y06	RES, RK 104J 1/16 -CP
R165	06T25279Y01	RES, RK 105J 1/16 -CP
R166	06T25277Y33	RES, RK 101J 1/16 -CP
R167	06T25277Y33	RES, RK 101J 1/16 -CP
R168	06T25277Y33	RES, RK 101J 1/16 -CP
R169	06T25277Y33	RES, RK 101J 1/16 -CP
R170	06T25277Y97	RES, RK 473J 1/16 -CP
R171	06T25279Y04	RES, RK JUMPER1/16-CP
R172	06T25277Y97	RES, RK 473J 1/16 -CP
R173	06T25279Y04	RES, RK JUMPER1/16-CP
R174	06T25277Y93	RES, RK 333J 1/16 -CP
R177	06T25277Y79	RES, RK 822J 1/16 -CP
R178	06T25278Y08	RES, RK 124J 1/16 -CP
R179	06T25277Y33	RES, RK 101J 1/16 -CP
R180	06T25277Y33	RES, RK 101J 1/16 -CP
R181	06T25277Y33	RES, RK 101J 1/16 -CP
R182	06T25277Y33	RES, RK 101J 1/16 -CP
R183	06T25277Y33	RES, RK 101J 1/16 -CP
R184	06T25277Y33	RES, RK 101J 1/16 -CP
R185	06T25277Y33	RES, RK 101J 1/16 -CP
R186	06T25277Y33	RES, RK 101J 1/16 -CP
R187	06T25277Y33	RES, RK 101J 1/16 -CP
R188	06T25277Y33	RES, RK 101J 1/16 -CP
R189	06T25277Y33	RES, RK 101J 1/16 -CP
R190	06T25277Y33	RES, RK 101J 1/16 -CP
R191	06T25277Y97	RES, RK 473J 1/16 -CP
R203	06T75433W78	RES, RK 163J 1/4 -CP
R204	06T75433W78	RES, RK 163J 1/4 -CP
R205	06T75433W57	RES, RK 222J 1/4 -CP
R206	06T75433W57	RES, RK 222J 1/4 -CP
R207	06T75433W77	RES, RK 153J 1/4 -CP
R208	06T75433W77	RES, RK 153J 1/4 -CP
R209	06T75433W50	RES, RK 112J 1/4 -CP
R210	06T75433W50	RES, RK 112J 1/4 -CP
R211	06T75434W07	RES, RK 244J 1/4 -CP
R212	06T75434W07	RES, RK 244J 1/4 -CP
R213	06T75433W17	RES, RK 47RJ 1/4 -CP
R214	06T75433W17	RES, RK 47RJ 1/4 -CP
R217	06T75433W68	RES, RK 622J 1/4 -CP
R218	06T75433W68	RES, RK 622J 1/4 -CP
R219	06T75434W07	RES, RK 244J 1/4 -CP
R220	06T75434W07	RES, RK 244J 1/4 -CP

Connectors

Symbol No.	Part No.	Description
CB101	09T45435W15	FFC, 52207-1590 -ED
CB102	09T45435W07	FFC, 52207-0790 -E9
CB801	09T45435W22	FFC, 52207-2290 -EQ

Miscellaneous

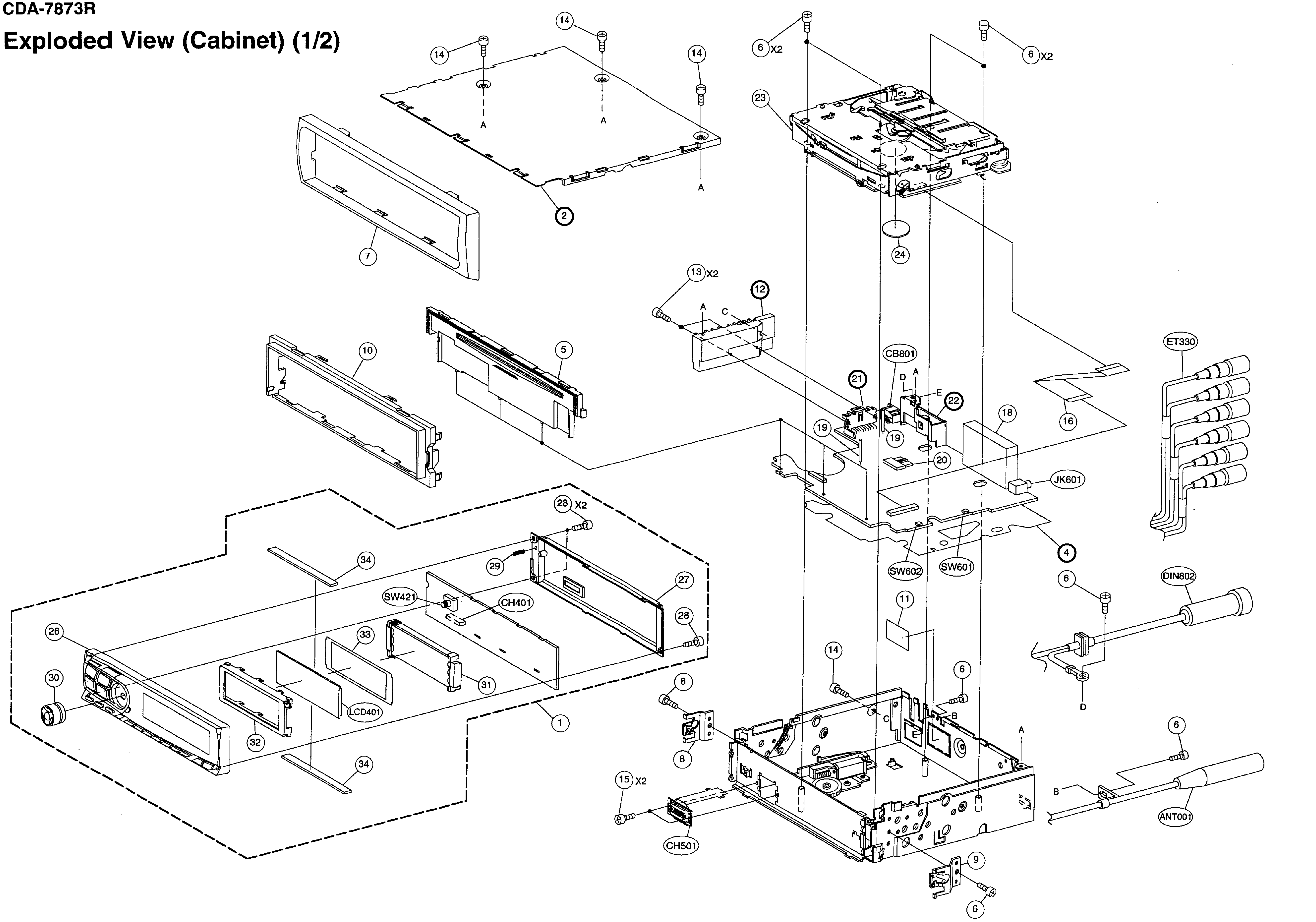
Symbol No.	Part No.	Description
ANT001	01T15513W30	ASSY, ANT CABLE 7865R
CB801	09T35473Y16	WTB, F169B001-16 -DB
CH401	09T25444Y15	BTB, 55323-1511 -B
CH501	01T35001Y02	ASSY, UNIZON CONN 71A
CH601	01T01885K01	ASSY, CONN 2P
DIN802	01T35496Y05	ASSY, DIN 7875A0
ET330	01T35497Y09	ASSY, WIRE RCA7875A0 (FRONT OUT/REAR OUT/SUB-W)
JK601	09T95460W01	JAC, HSJ0857-01-1010+
LCD401	65T45245Y02	LCD, MF7875A0
M601	59T65085W01	MOTOR, LOAD FF-050SK (NOSE MOTOR/7V-370mA)
SW421	40T45266Y01	ENC, EC11E15245 -B (VOLUME/MODE · BBE)
SW601	40T15494Y07	SW, DETCT SPVG21 -E6 (NOSE CLOSE DET)
SW602	40T15494Y08	SW, DETCT SPVG11 -E6 (NOSE OPEN DET)

DP23S07A

Symbol No.	Part No.	Description
HD101	81B40519Y01	PICKUP, EP21A65L
M101	01V21600Y50	ASSY, MOTOR-WORM (7V-370mA)
M102	01V21600Y53	ASSY, MOTOR SLED (7V-370mA)
M103	01V21600Y55	ASSY, MOTOR SPINDLE (2V-90mA)
SW1	40T15494Y01	SW, DETCT SPVG23 -E6 (12cm DISC DETECT (EJECT POSITION/ RELOAD))
SW2	40T15494Y02	SW, DETCT SPVG13 -E6 (8/12cm DISC DETECT (INSERT/PULL OUT))
SW3	40T15494Y07	SW, DETCT SPVG21 -E6 (8cm DISC DETECT (EJECT POSITION/ RELOAD))
SW4	40T15494Y01	SW, DETCT SPVG23 -E6 (DISC CHUCKING END DETECT)
SW105	40T71025F03	SW, DETCT SPPB120 (LIMIT)

CDA-7873R

Exploded View (Cabinet) (1/2)



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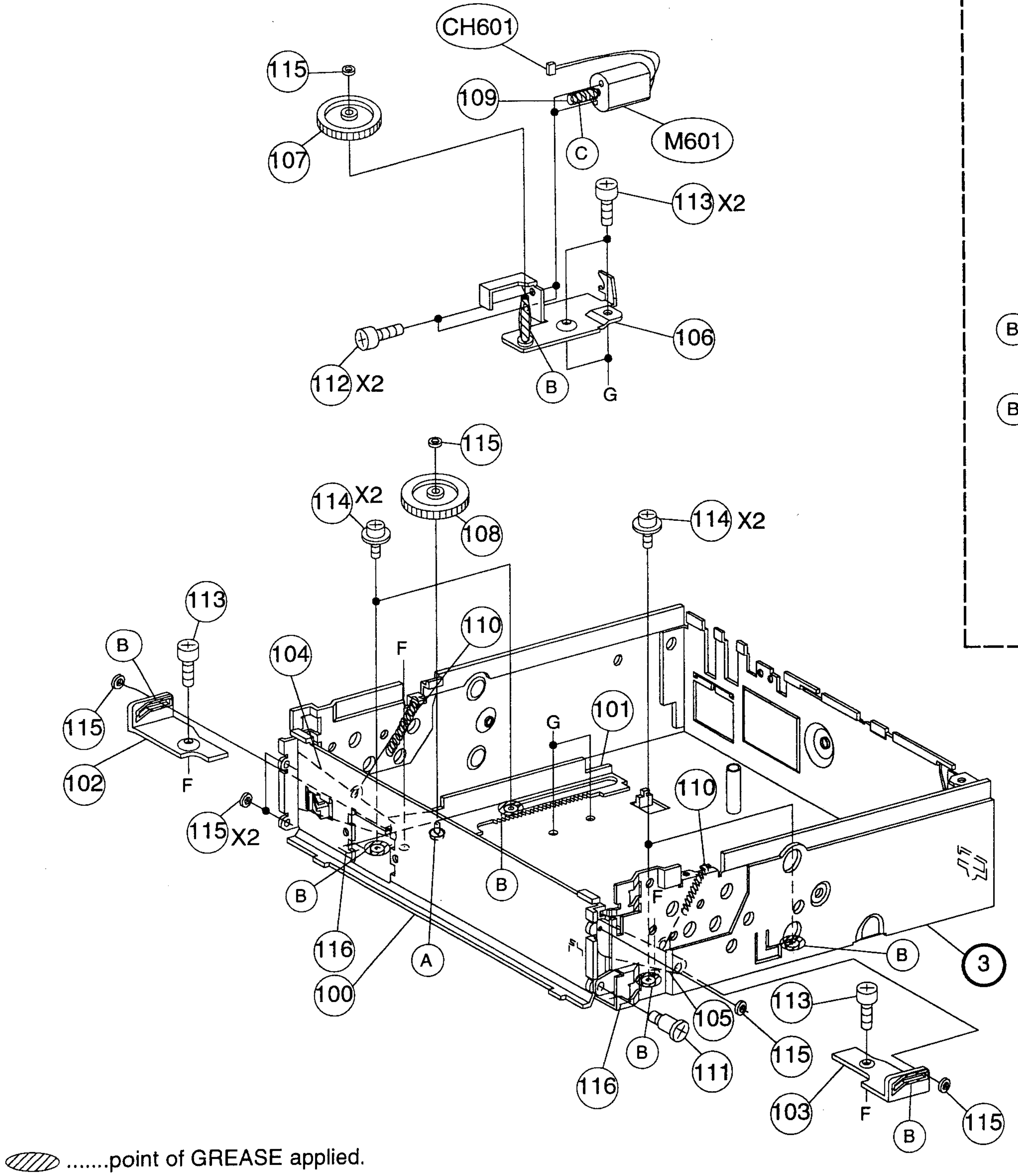
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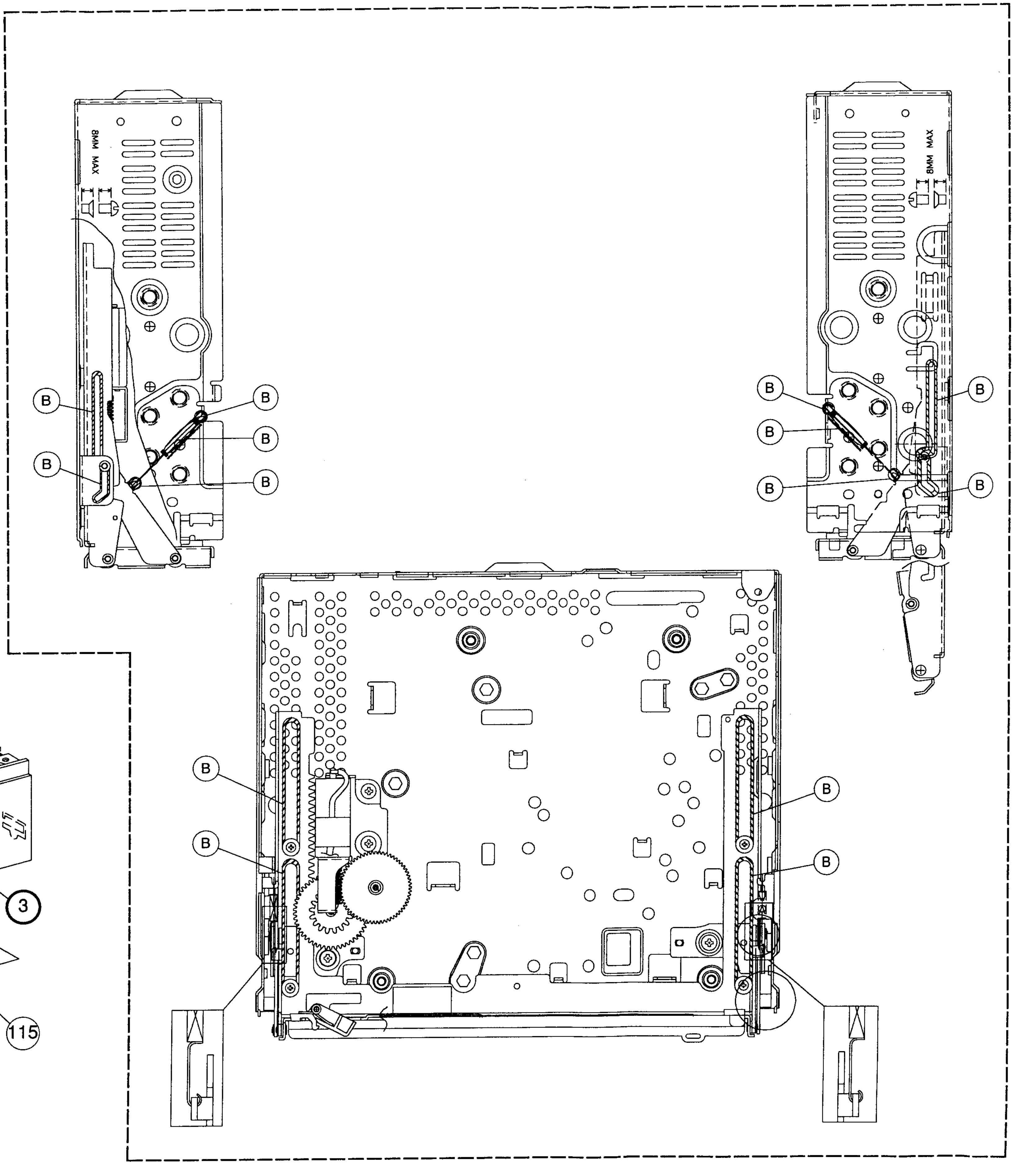
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▨ ....point of GREASE applied.

Ⓐ	GREASE, FG-53C (11S20853Y01)
Ⓑ	GREASE, E PASTE (11S42419J09)
Ⓒ	GREASE SILICON (11S490487)

Cabinet Assembly Parts List

NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
1		01V46100Y07	ASSY, NOSE UNIT 73R0
5		13C21370Y02	NOSE, BASE (CD) ASSY
6		03S44205G07	SCR, T-TITE M2. 6X5
7		33C01797K01	FACE, PLATE
8		07D91595W01	BKT, SIDE ASSY
9		07D91595W02	BKT, SIDE (R) ASSY
10		13D21372Y01	NOSE, BASE COVER
11		14S30726Y22	INS, SHEET
13		03S38013W05	SCR, T-TITE M2. 6X16
14		03S71677F02	SCR, T-TITE-B M2. 6X6
15		03S94385F77	SCR, NYLOK M1. 7X3
16		30T45473Y03	FFC, RLW0306-1A
18		77B30901Y01	MB4R9030, FM/AM UNIT (TU001)
19		09T84840F02	LUG, STYLE 32MM
20		36A70327W01	KNOB, SLIDE
23		81D31851Y01	DP23S07A, CD MECH
24		26A41622Y01	SHIELD, PLATE (CD)
26		13D01837K03	NOSE, PIECE ASSY (H)
27		13D40822Y01	NOSE, BOTTOM
28		03S68555F20	SCR, WAVE M1. 7X5
29		41A50111W10	SPRING, KNOB
30		36B41322Y01	KNOB, ROTARY ASSY (M)
31		15D01793K01	CASE, LCD ASSY
32		15B01794K01	COVER, LCD
33		26A41974Y01	REFLECTOR, SHEET
34		75T85248W13	RUBBER, ELECTRIC
100		01C01750K01	ASSY, BKT F BASE
101		07B01757K01	BKT, SLIDER
102		07B01753K01	BKT, BASE L
103		07B01753K02	BKT, BASE R
104		07A01754K01	BKT, ARM (L)
105		07A01754K02	BKT, ARM (R)
106		07C01755K01	BKT, MOTOR
107		44B01846K01	GEAR, CLUTCH ASSY
108		44A01841K01	GEAR, SLIDER
109		44A01840K01	GEAR, WORM
110		41A22014Y01	SPRING, EXTENSION
111		03A20851Y02	SCR, SLIDER
112		03S68259F23	SCR, PWRLOCK M2X3
113		03S94385F13	SCR, NYLOCK M2. 6X3
114		03D40121T56	SCR, MECH (W/W) M2X4
115		04B41345P54	WASHER 1. 7X2. 1X0. 35
116		75S21219Y48	CUSHION RUB 9X4. 5Xt2

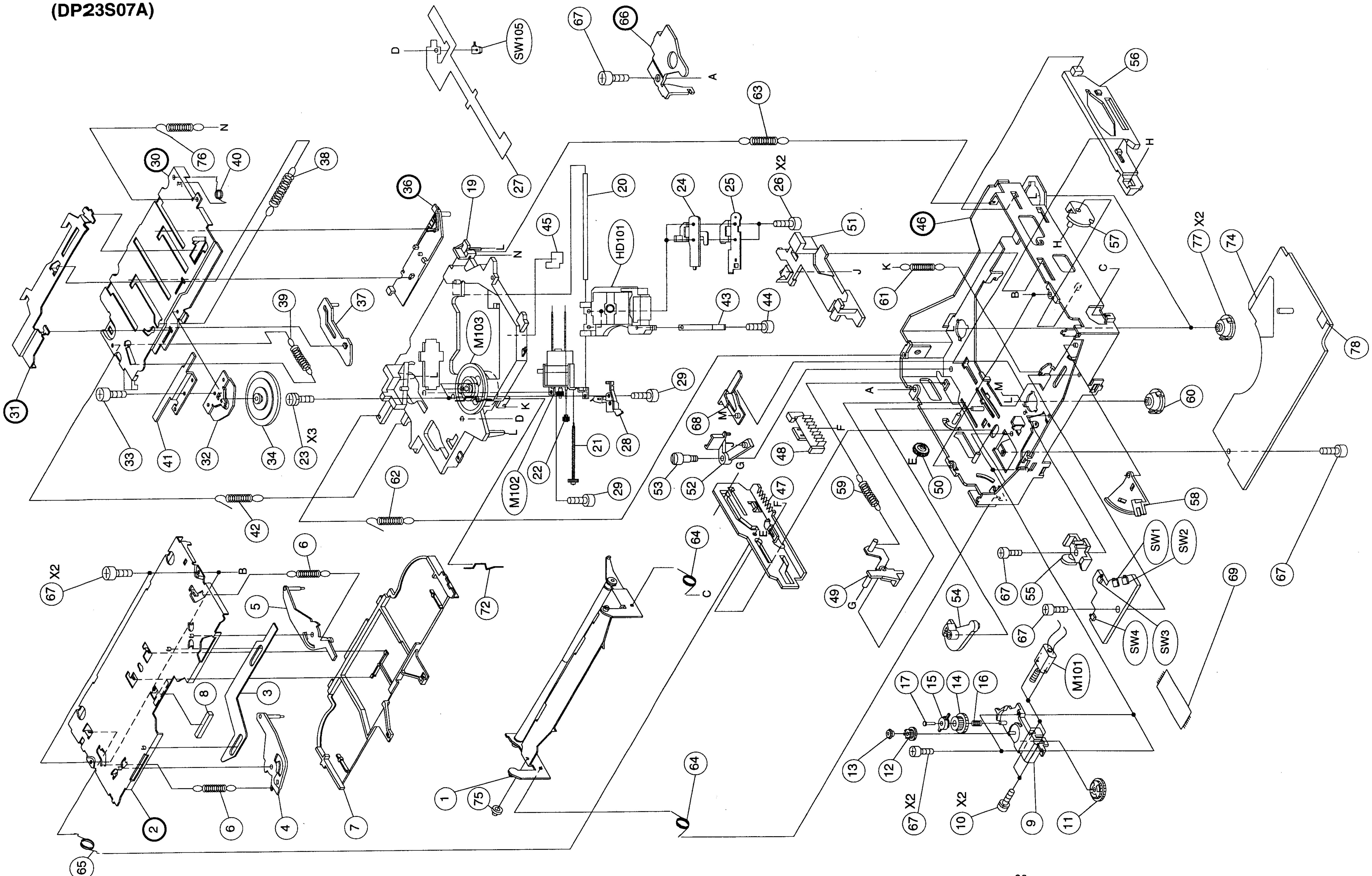
CD Deck Mechanism Assembly Parts List

NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
1		01V21600Y47	ASSY, ARM GUIDE
3		45B11564Y01	LEVER, LINK-TOP
4		45B11595Y01	LEVER, DISC (R)
5		45B11596Y01	LEVER, DISC (L)
6		41B11613Y02	SPRING, PULL
7		15D11588Y01	GUIDE, TOP DPS
8		75A21286Y01	CUSHION, CLAMPER DP-S
9		07C11584Y01	BKT, MOTOR LOAD
10		03S40014G07	SCR, MCH M2X4
11		44B11578Y01	GEAR, (A)
12		44B11579Y01	GEAR, (B)
13		44B11580Y01	GEAR, (C)
14		44B11582Y01	GEAR, (E)
15		15A11587Y01	HOLDER, CLUCH
16		41A11612Y01	SPRING, COMP
17		47A11571Y01	SHAFT, CLUTCH
19		27D11602Y01	CHASSIS, PICKUP
20		47A11575Y01	SHAFT, PICK
21		01V21600Y54	ASSY, SHAFT SCREW
22		44A70590W04	GEAR, MIDDLE
23		03S72235F96	SCR, MCH M1. 7X3. 5 (SW)
24		07B30337Y01	BKT, SPRING NUT
25		41A11606Y01	SPRING, NUT
26		03S94385F18	SCR, NYLON M2X3. 5
27		84T01803K01	PANEL, FPC CONT
28		41B11566Y01	SPRING, SHAFT
29		03S70494F13	SCR, P-TITE M2X6 BLK
32		07A11565Y01	PLATE, CLAMP
33		03S94385F02	SCR, NYLOK M1. 7X3
34		43A30262Y01	TABLE, CLAMPER-R
37		45A11599Y01	LEVER, ACTUATOR
38		41B11613Y03	SPRING, PULL
39		41B11613Y05	SPRING, LEV-ACT
40		41A11609Y01	SPRING, LEVER
41		41B30747Y01	SPRING, PLATE
42		41B11613Y12	SPRING, PULL
43		41A11040Y01	SPRING, SLED-HOE
44		03S72235F79	SCR, MCH M1. 4X3
45		43A21240Y01	SHEET, FPC PICK
47		45B11560Y01	SLIDER, LOAD
48		44B11586Y01	RACK
49		45A11601Y01	LEVER, TRIGER
50		44B11581Y01	GEAR, (D)
51		45B11594Y01	SLIDER, LOCK (L)
52		45A11592Y01	ARM, LOCK (L2)
53		03A11574Y01	SCREW, LOCK
54		45B11591Y01	ARM, LOCK (L1)
55		07A11585Y01	BKT, MOTOR WIRE
56		45B11593Y01	SLIDER, LOCK (R)
57		45B11607Y01	ARM, LOCK (R)
58		45A11597Y01	LEVER, SW
59		41B11613Y04	SPRING, TRIGER
60		75C30466Y02	DAMPER, DPS2
61		41B11613Y06	SPRING, PULL
62		41B11613Y07	SPRING, PULL
63		41B11613Y08	SPRING, PULL
64		41A11610Y01	SPRING, ROL
65		41A31894Y01	SPRING, SLIDER
67		03A21791Y01	SCREW, M2X3. 5 S-TITE
68		07B20905Y01	BKT, FPC CONT
69		30T15126W15	WIRE, PC JOINT 7P
72		41A21613Y01	SPRING, SPINDOL
74		14A30831Y01	INS, CVR
75		43A31443Y01	ROLLER, ARM DISC (C)
76		41B11613Y14	SPLING, PULL
77		75C30466Y03	DAMPER, DPS2
78		75S40755Y23	CUS, RUB 5X5XT0. 5

Exploded View (CD Deck Mechanism)

(DP23S07A)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